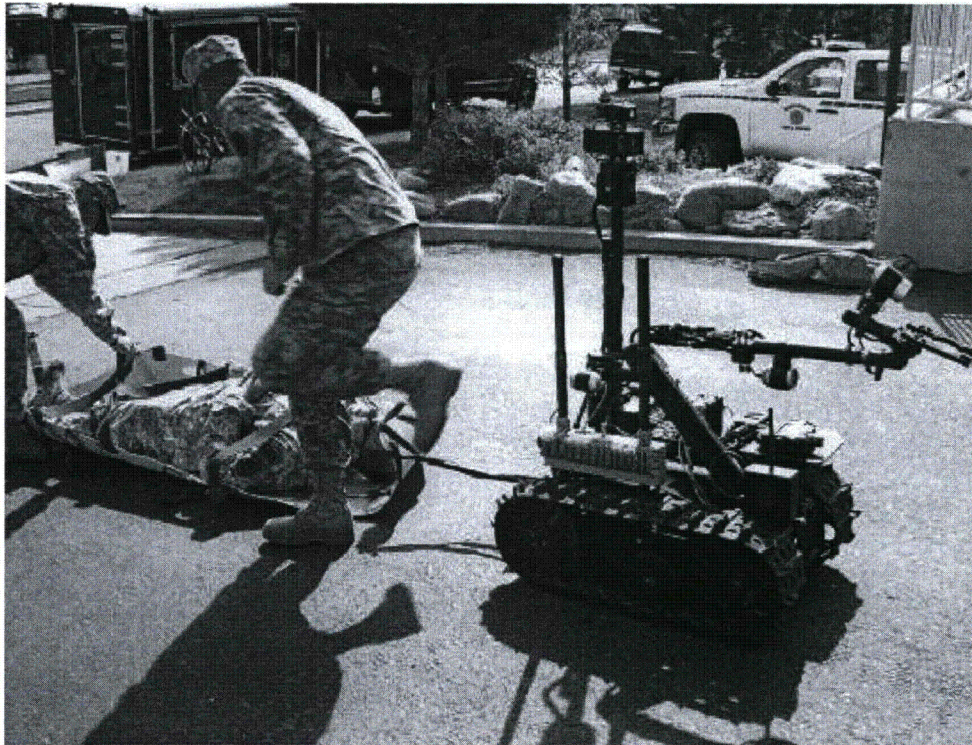


developed by the US Navy for underwater exploration and counter-mine neutralization. Consequently they are resistant to water and is the only robot that has survived bio-medical decontamination using hot water and bleach power wash twice a day for 45 days following rescue operations at the World Trade Center following the 9/11/01 attack. On several occasions they have been blown-up by IED's into Iraqi rivers and lakes only to be driven out by astounded military operators who write us back to report this incredible capability.



TALON® robots CBRNE/Hazmat Add-On Module for GEN IV

Modular CBRNE (chemical, biological, radiological, nuclear, explosive) kits are now available as an addition to new or existing models of the GEN IV TALON robot.

Tray-Mounted Detection Capabilities

- JCAD (Joint chemical agent detector) for CWAs (chemical warfare agents) and TICs (toxic industrial chemicals)
- RAE MultiRAE Plus for volatile gases
- Canberra AN/UDR-14 for gamma and neutron radiation
- Raytek temperature probe for temperature sensing

Gripper-Mounted Detection Capabilities

- ICX Fido® XT for trace explosives
- Ahura First Defender RMX for identification of more than 7,500 explosives, precursors and chemicals

In addition to purchasing the system new, any existing TALON IV can be upgraded within minutes to support the CBRNE/Hazmat module. It comes with an easy on/easy off mounting

tray with attachment brackets for the JCAD, MultiRAE, AN/UDR14 and Raytek sensors. Users who already own some or all of these sensors can mount the ones they own; no need to purchase new ones.

The Fido and Ahura detectors can be used interchangeably on the gripper via another easy on/easy off attachment.

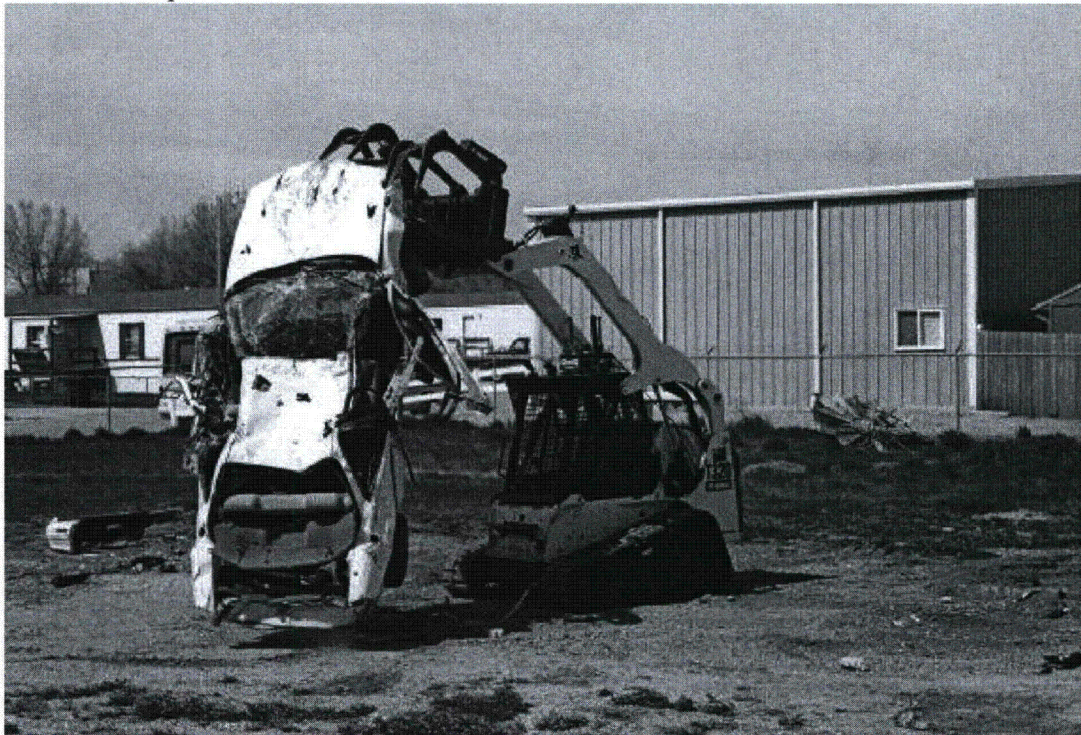


Tray mounted detectors

Ahura First Defender RMX mounted on gripper

Fido XT mounted on gripper

Bobcat Remote Control Kits – 17 Selectable Joystick Control Bobcat Loaders ranging in size from 1,000 to 3,500 lbs and fitted with over 70 attachments can in just 15 minutes be made into an unmanned vehicle using QineitQ's Robotic Appliqué Kit. These skid steer loaders can safely remove rubble and debris, dig up buried objects and carry smaller robots or equipment for over one mile from the operator who can be safely protected inside vehicles or shielded walls while he operates the loader remotely. The joystick controlled Bobcat Loaders can be driven inside the cab or by remote operation from one mile away. The Robotic Appliqué Kit can remotely operate all of the 70 attachments from shovels, buckets, grapples, rollers, tree cutters to special breaching tools to break thru walls and doors. It can be field modified to attach radiation sensor from the TALON robot to the roof of the Bobcat or carry the TALON robot with its radiation, fire and chemical sensors down range to extend the range of the TALON robot that could then fit into smaller spaces than the Bobcat Loader.



Robotic Controller Kit for Bobcat Loaders

QinetiQ North America's robotic controller kit can be installed in about 15 minutes on any of 17 models of Bobcat skid-steer, all-wheel steer, or compact track loaders that are equipped with Selectable Joystick Controls (SJC).

The kit temporarily turns the loader into a remotely operated "robot" capable of using more than 37 Bobcat-approved attachments. The loader can be sent down-range to handle large, deep-buried IEDs or vehicle-borne IEDs or land mines and unex-

ploded ordnance. Upon completion of a mission, the kit can be removed, reverting the machine to "in the seat" operation. The kit can be swapped from one SJC-equipped Bobcat loader to another by the user, allowing the mission to dictate what size machine to use along with what specific attachment works best.

The robotics kit for Bobcat loaders includes seven cameras for non-line-of-sight operation, a microphone to enable the remote operator to hear ambient sound from the cab, three different CREW 2.1 compatible radio options, three control options (laptop, wearable and table top), green and yellow warning lights to signal robotic engagement, an anti-rollover warning system, and emergency manual shut off switches on the vehicle and on the control panel that support remote restart.

The kit's hardened electronics are rated at 156°F and have passed rigorous MIL-STD-810F environmental testing. Cameras include five mounted on the roof, one in the cab and one on the vehicle looking at the load. Night vision is provided by IR illumination and thermal imaging in addition to the white lights on the Bobcat loader itself.

Three Types of Control Units Support the Kit --
Ruggedized Laptop (shown)

QinetiQ
North America

Bobcat

C500 059

From: Monninger, John
Sent: Tuesday, March 22, 2011 4:42 AM
To: Nakanishi, Tony
Subject: Fw: Bechtel offer to Japan
Attachments: Japan Offer-16Mar11_p[1].pdf

Test
John Monninger

(b)(6)

From: Cherry, Ronald C <CherryRC@state.gov>
To: Aleshia Duncan <Aleshia.Duncan@nuclear.energy.gov>; Cook, William; Smith, Brooke; Casto, Chuck; Courtney Brown <BROWNCM@nv.doe.gov>; Damian Peko <Damian.Peko@nuclear.energy.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Foster, Jack; Trapp, James; James Trapp (BB) <(b)(6)>; Monninger, John; Johnstone, Gregg M <johnstonegm@state.gov>; Foggie, Kirk; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony
Cc: Zumwalt, James P <ZumwaltJP@state.gov>
Sent: Tue Mar 22 04:26:35 2011
Subject: FW: Bechtel offer to Japan

Chuck et al,

Please see the attached letter offering pro bono assistance from Bechtel, which the DCM asked me to forward.

Thanks.

Ron

This email is UNCLASSIFIED.



March 16, 2011

To Whom It May Concern in the United States and Japanese Governments

Bechtel Group, Inc.'s nearly 40,000 employees extend their deepest condolences to Japan for the loss of life and property caused last week by the devastating earthquake and tsunami.

Because we appreciate the urgency of the situation and the humanitarian consequences, we are prepared to provide *immediate* professional assistance on a pro-bono basis in the following areas that match our expertise: (1) stabilizing and planning for decontaminating and decommissioning the Fukushima nuclear units; and (2) creating and launching a plan to recover essential infrastructure in the devastated area (including but not limited to temporary electricity, shelter for evacuees, water + waste-water, port(s), highways + bridge(s), rail line(s), telecommunications, removal of debris, etc.).

These services would be *pro-bono* as I mentioned but would be on the following basis:

1. Upon invitation from the applicable Japanese decision-maker, we will send right away a small team (6-12) of proven experts to Japan to immediately start early planning work, completely at our cost, for up to two weeks. We will, of course, communicate all suggestions transparently and real-time to applicable Japanese authorities to hopefully help generate immediate progress at the same time as we and Japanese counterparts are creating a longer-term plan for recovery.
2. At the end of such two initial weeks, if Japan wishes Bechtel to continue to help the recovery in some role, we will work out a mutually acceptable commercial basis. If Japan does not wish Bechtel to continue, we will professionally hand-over the work we have done to the applicable Japanese entity or authority and return our experts to their other work.
3. All Bechtel will require for this volunteer provision of technical assistance is a letter of invitation and essential agreement indicating:
 - a) Who will be the supportive, effective, and senior sponsor in the applicable Japanese authority or entity to provide Japanese leadership of the recovery planning.
 - b) A brief description of the scope of the requested services (including any geographic and sector priorities if they are known).
 - c) That local accommodation and effective access to the area and applicable decision-makers will be made available to our team.

- d) That a complete release, hold-harmless, and indemnification of Bechtel from any liability in all respects in connection with this volunteer pro-bono assistance is provided to Bechtel.

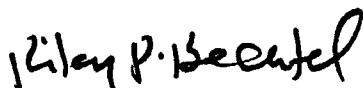
Bechtel has been a leading engineer constructor for the last 113 years, was the fifth largest in the world and largest in the United States in 2010, is a premier nuclear engineer and constructor, and has worked on a number of GE BWR projects over the years. Bechtel has worked in Japan closely with many of Japan's major contractors for many years and is currently working with some globally, and has unique experience with which to help Japan in this time of need. See www.bechtel.com. For directly relevant crisis recovery experience, you may wish to consider:

- Bechtel undertook reconstruction of most of Iraq's critical infrastructure (other than oil and gas facilities) under contract for USAID 2003 - 2006 under very difficult conditions. That approximately \$3 billion TIC work included: (1) temporary then permanent port facilities at Umm Qasr (the southern port) with which to bring ashore humanitarian supplies; (2) an operable rail line to move those supplies north; (3) electricity generation throughout Iraq; (4) waste-water and potable water systems throughout Iraq; (5) critical telecoms networks; and (6) hospitals, medical clinics, etc. The project was accomplished with a peak Bechtel career workforce of about 130 experts, an Iraqi staff of over 500 locally hired engineers and other professionals, and a peak Iraqi contractor workforce of approximately 45,000 through some 120 Iraqi contractors.
- Bechtel, under contract to the U.S. Federal Emergency Management Agency, provided engineering and construction and project management to get 100,000 displaced residents into temporary housing in Mississippi within 5 months following hurricane Katrina.
- Though having nothing to do with their original design or construction, Bechtel had the lead role in decontaminating and decommissioning the Three Mile Island Nuclear Plant in the U.S. and is continuing to help Russia entomb Chernobyl.

Bechtel's only motive in offering this expedited pro-bono professional assistance is humanitarian—the tragedy that has befallen Japan is enormous, and we believe we have the capability and experience to help, and the time for maximum contribution is now. We also are grateful for our many years of work in Japan, and we value our long-standing relationships with many Japanese companies and agencies.

I have asked our Asian Pacific President, Steve Katzman, to be ready to receive an invitation to mobilize a team on short notice for the offered pro-bono assistance. Please contact Mr. Katzman in Shanghai (skatzman@bechtel.com; work phone: 86 21 2205 4888; and fax: 86 21 2205 4800) or me (rileyb@bechtel.com; work phone: 415-768-1415; work fax: 415-442-1860) with your reply or any questions. Thank you.

Yours truly,



Riley P. Bechtel
Chairman & CEO

From: RST09 Hoc
Sent: Tuesday, March 22, 2011 4:21 AM
To: Monninger, John
Cc: Uhle, Jennifer
Subject: FW: Japan Assistance Request - Robotic Surveillance Equipment and Personnel Protective Gear
Attachments: WESCO JAPAN Entergy (2).xls

Attached is information provided by INPO regarding the status of the assistance request. Note that they stated that they did not have a specific request for robotics. At my request, they are now investigating availability. They noted a shortage of surveillance equipment from the manufacturers, so will check with utilities.

For shipping the material in the attached list, they will need a contact name and shipping address.

James Gilmer (11:00 to 7:00 EDT shift)
NRC HQ Operations Center
(301) 816-5514

From: Maund, Terrance P. (INPO) [mailto:MaundTR@inpo.org] **On Behalf Of** INPOERCAssistance
Sent: Tuesday, March 22, 2011 4:05 AM
To: RST09 Hoc
Subject: RE: Japan Assistance Request - Robotic Surveillance Equipment and Personnel Protective Gear

Attention, James Gilmer

Attached is the excel sheet we developed for TEPCO's review on radiation instruments and monitors, ANTI-C's, respirators, and KI pills. **We did not have a request for Robotics**
Additionally, we are canvassing the Utilities to see if they can donate survey meters and friskers, we will have this information today, day shift,(EDT).

We are awaiting their, TEPCO, approval to purchase, obtain and send. We need a point of contact name and phone number to accept materials, where to ship (airport), AND how will a purchase contract or account number be developed. Understanding there were problems with the Bechtel water pumping system purchase.

We will start obtaining information from vendors and the utilities on robotics and provide you the information today.

Thanks
Terry Maund, INPO
770-644-8118

From: RST09 Hoc [mailto:RST09.Hoc@nrc.gov]
Sent: Tuesday, March 22, 2011 3:32 AM
To: INPOERCAssistance
Subject: Japan Assistance Request - Robotic Surveillance Equipment and Personnel Protective Gear

To whom it may concern:

Please provide an update to the NRC Operations Center as soon as possible on the status of the acquisition of robotic surveillance equipment and also of personnel protective gear. NRC Japan response team will be meeting in approximately 3 hours, and needs an update. Thank you very much.

James Gilmer
NRC HQ Operations Center
(301) 816-5514

DISCLAIMER:

~~This e-mail and any of its attachments may contain proprietary INPO or WANO information that is privileged, confidential, or protected by copyright belonging to INPO or WANO. This e-mail is intended solely for the use of the individual or entity for which it is intended. If you are not the intended recipient of this e-mail, any dissemination, distribution, copying, or action taken in relation to the contents of and attachments to this e-mail is contrary to the rights of INPO or WANO and is prohibited. If you are not the intended recipient of this e-mail, please notify the sender immediately by return e-mail and permanently delete the original and any copy or printout of this e-mail and any attachments.~~

Thank you.

ENTERGY Requested		MFG
Qty	Part # / Description	
500	Eberline HP-210	Thermal Scientific
	HP-210 AL	Thermal Scientific
	HP-210 T	Thermal Scientific
	HP-210 AL/MHV	Thermal Scientific
	Meter to read 44-9	Ludlum
	44-9	Ludlum
	Model 3 Analog Meter	Ludlum
500	Friskars detectors (15.5 cm ² G-M tubes)	Ludlum
200	Friskars 200 Ion Chambers with	
	open/close window capability	Ludlum
	Merion instruments with nuclide	
	identification capability – e.g., PDS-ID by	
100	Merion	
	Replacement	Laurus Systems
	Replacement	Laurus Systems

0

Anti-C Clothing		
100,000	Disposable Tyvek Coveralls	
	Elastic Wrist Ankle and Hood	Majestic
	Elastic Wrist Ankle and Hood	Majestic
	Elastic Wrist Ankle and Hood	Majestic
	Elastic Wrist Ankle and Hood	Majestic
	Elastic Wrist Ankle and Hood	Majestic
	Elastic Wrist and Ankles	Majestic
	Elastic Wrist and Ankles	Majestic
	Elastic Wrist and Ankles	Majestic
	Elastic Wrist and Ankles	Majestic
	Elastic Wrist and Ankles	Majestic
	Elastic Wrist Hood and Boot	Majestic
	Elastic Wrist Hood and Boot	Majestic
	Elastic Wrist Hood and Boot	Majestic
	Elastic Wrist Hood and Boot	Majestic
	Elastic Wrist Hood and Boot	Majestic
	Coveral with No Elastic -Zipper Front	Majestic
	Coveral with No Elastic -Zipper Front	Majestic
	Coveral with No Elastic -Zipper Front	Majestic
	Coveral with No Elastic -Zipper Front	Majestic
	Coveral with No Elastic -Zipper Front	Majestic
20,000	Disposable, breathable rain suits	
		Magid
		Magid
		Magid
		Magid
200,000	Disposable sets of paper and rubber shoe covers	
	PolyProplene Non Slip Boot Cover	Majestic
	PolyProplene Non Slip Boot Cover	Majestic
	PolyProplene Non Slip Boot Cover	Majestic

	PolyProplene Non Slip Boot Cover	Majestic
	pairs of disposable latex heavy duty	
400,000	gloves	
	Mill 19 Blue/Natrual	Majestic
	Mill 19 Blue/Natrual	Majestic
	Mill 19 Blue/Natrual	Majestic
	Mill 19 Blue/Natrual	Majestic
	Mill 15 Blue/Natrual	Majestic
	Mill 15 Blue/Natrual	Majestic
	Mill 15 Blue/Natrual	Majestic
	Mill 15 Blue/Natrual	Majestic
	Mill 13	PIP
	Mill 13	PIP
	Mill 13	PIP
200,000	pair of cotton glove liners	Majestic
	pair of cotton glove liners	Majestic
	pair of cotton glove liners	Majestic
120,000	Disposable hoods	
		Magid
Respirator masks and filters		
5,000	full face mask respirators	MSA
	full face mask respirators	North Safety
	full face mask respirators	MAGID
50,000	particulate / iodine cartridges	MSA
1,000,000	Potassium Iodine tablets	ANBEX

Part Number	Quantity Available	EachPrice	Extended	SPECS
			\$ -	
	0		\$ -	
	0		\$ -	
	0		\$ -	
	0		\$ -	
Model 3 meter reader	0		\$ -	
Odel 3 W/44-9 Pancake Probe	0		\$ -	
			\$ -	
Ludlum			\$ -	
9-4			\$ -	
	0	0	\$ -	
HDS-100G	39	\$ 11,774.11	\$ 459,190.29	http://laurussy:
PDS-100 GN	79	\$ 836.53	\$ 66,085.80	http://laurussy:
			\$ -	
			\$ -	
S	499	\$ 1.90	\$ 949.92	
M	873	\$ 1.90	\$ 1,661.88	
L	3239	\$ 1.90	\$ 6,165.92	
XL	4944	\$ 1.90	\$ 9,411.64	
XXL	8836	\$ 2.02	\$ 17,815.72	
S	644	\$ 1.82	\$ 1,171.63	
M	672	\$ 1.84	\$ 1,233.97	
L	8172	\$ 1.84	\$ 15,005.97	
XL	11439	\$ 1.85	\$ 21,199.09	
XXL	33615	\$ 1.95	\$ 65,400.83	
S	625	\$ 1.97	\$ 1,231.89	
M	1099	\$ 2.06	\$ 2,258.86	
L	6173	\$ 2.06	\$ 12,687.83	
XL	22153	\$ 2.07	\$ 45,898.06	
XXL	25248	\$ 2.19	\$ 55,379.87	
S	950	\$ 1.71	\$ 1,622.70	
M	0		\$ -	
L	1825	\$ 1.71	\$ 3,117.28	
XL	17800	\$ 1.71	\$ 30,404.18	
XXI	8750	\$ 1.71	\$ 14,945.88	
			\$ -	
S	614	\$ 5.76	\$ 3,536.90	
M	428	\$ 5.76	\$ 2,465.46	
L	0		\$ -	
XL	7100	\$ 5.76	\$ 40,898.98	
			\$ -	
S Rubber	1500	\$ 0.52	\$ 780.00	
M Rubber	2500	\$ 0.52	\$ 1,300.00	
L Rubber	4650	\$ 0.52	\$ 2,418.00	

XL Rubber	12750	\$	0.52	\$	6,630.00
				\$	-
S	84108	\$	0.57	\$	47,805.73
M	111228	\$	0.57	\$	63,220.33
L	174300	\$	0.57	\$	99,069.51
XL	109632	\$	0.57	\$	62,313.18
S	10500	\$	0.15	\$	1,607.97
M	18500	\$	0.15	\$	2,833.09
L	23000	\$	0.15	\$	3,522.22
XL	57375	\$	0.16	\$	9,462.29
S	125000	WAITING			
M	40000	WAITING			
L	120000	WAITING			
S	19380	\$	0.16	\$	3,196.15
M	4656	\$	0.16	\$	767.87
L	16416	\$	0.16	\$	2,707.33
				\$	-
Assorted	3800	\$	1.24	\$	4,700.22
WAITING	WAITING	WAITING			
WAITING	WAITING	WAITING			
WAITING	WAITING	WAITING			
IOSAT	1000006	\$	0.44	\$	441,752.65
					\$ 1,633,827.06

LEAD TIME

[stems.com/products/products_pdf/HDS-100G-GN.pdf](#)
[stems.com/products/products_pdf/PDS-100_G-GN.pdf](#)

From: RST01 Hoc
Sent: Tuesday, March 22, 2011 1:46 AM
To: Devercelly, Richard; Casto, Chuck; Trapp, James; Monninger, John
Cc: FOIA Response.hoc Resource
Subject: FW: Requested information regarding nonexplosive means of removing roof / hole on side of buidling

(b)(5)

Forwarded FYI

From: ET07 Hoc
Sent: Sunday, March 20, 2011 2:25 PM
To: RST01 Hoc
Cc: Johnson, Clay; Holahan, Patricia; Wiggins, Jim
Subject: Requested information regarding nonexplosive means of removing roof / hole on side of buidling

RST-

Below are some initial recommendations that need to be transmitted to the site team (per their request). If the site team needs more detail regarding a particular option, staff and contract support are available to assist. The ET Director has reviewed these options.

(b)(5)

From: Dorman, Dan
Sent: Monday, March 21, 2011 11:20 PM
To: Hoc, PMT12; Foster, Jack
Cc: FOIA Response.hoc Resource; Cool, Donald; Camper, Larry; Casto, Chuck; Monninger, John
Subject: Re: Monitoring Data

Don,

Am in the taxi from a meeting with NISA et al. Have more info for RST and PMT than I can cover by BB - rad monitoring and plant conditions. Am en route to Cabinet meeting - will give upload when I return.

Best regards,

Dan

From: Hoc, PMT12
To: Foster, Jack; Dorman, Dan
Cc: FOIA Response.hoc Resource; Cool, Donald; Camper, Larry
Sent: Mon Mar 21 21:56:30 2011
Subject: Monitoring Data

Jack, Dan

You asked a little while ago about data that had been sent from the USS George Washington.

I am assuming you are referring to a faxed file, sent March 21 at 3:32 am East Coast time. We have found it, and will take a look.

(b)(5)

Thanks

Donald Cool
PMT Director

From: Huntington, Miki T LTC USA USFJ J54 (b)(6)
Sent: Monday, March 21, 2011 11:04 PM
To: Berger, Claire; Young, Joseph ChiefPolMil AMEMB JP; Han-Quinlan, Chin H (TDY/ECN)
Cc: Monninger, John; Webster, Jessica M (TDY/ECN); Luke, Robert MCPolAf AMEMB JP; Wall, Marc M; Cherry, Ronald C
Subject: RE: Crisis Management Meeting - Spent Fuel Temperature Questions

Claire,
Updated USFJ attendees will be:
BG W. Blake, Crowe (Deputy Commander)
RDML Thomas S. Rowden (SJFHQ POC/former reactor officer)) Mr. Nathan Frost

Is there a comprehensive list of participants? Many thanks!
V/R,

MIKI T. HUNTINGTON, LTC, U.S. Army
Chief, Government Relations (J54)
United States Forces Japan
DSN 315-225-2072 / FAX 315-225-4718
Comm: 011-81-3-1175-52072

Operation Tomodachi (Japan Earthquake Relief):
E-mail (b)(6)
DSN 315-225-4329 or 2903

-----Original Message-----

From: Berger, Claire [mailto:BergerMC@state.gov]
Sent: Tuesday, March 22, 2011 12:01 PM
To: Young, Joseph ChiefPolMil AMEMB JP; Han-Quinlan, Chin H (TDY/ECN)
Cc: john.monninger@nrc.gov; Webster, Jessica M (TDY/ECN); Huntington, Miki T LTC USA USFJ J54; Luke, Robert MCPolAf AMEMB JP; Wall, Marc M; Cherry, Ronald C
Subject: RE: Crisis Management Meeting - Spent Fuel Temperature Questions
Importance: High

Where are persons like Admiral Willard meeting up for this? Are they departing from Embassy Front?

Vehicle is Toyota Hyas white van
License 8216
Holds maximum 14 persons

Attendees for 1:00

Kurt Tong
Marc Wall
Rob Luke
Ron Cherry

NRC attendees will be (2 of 3):

Chuck Costa
John Monninger
Dan Dorman

Brian Lewis, DOS Foreign Consequence Management representative (TDY) LCOL Andre Brooks, U.S. Army, DTRA liaison
USFJ: Nathan Frost, USFJ Legal Office
Colonel Jeff Wiltse (USFJ J5)
General Blake Crowe (USFJ Deputy Commander) Admiral Willard??

Who else???

Claire Berger

-----Original Message-----

From: Cherry, Ronald C
Sent: Tuesday, March 22, 2011 11:44 AM
To: Young, Joseph M; Wall, Marc M; Luke, Robert S
Cc: 'john.monninger@nrc.gov'; Webster, Jessica M (TDY/ECN); Berger, Claire
Subject: Re: Crisis Management Meeting - Spent Fuel Temperature Questions

Thanks for the clarification.

NRC attendees will be:

Chuck Costa
John Monninger
Dan Dorman

Probably only two will go, but they asked to list all three for flexibility.

Thanksn again.

Ron
This has been sent from my Blackberry

----- Original Message -----

From: Young, Joseph M
To: Wall, Marc M; Cherry, Ronald C; Luke, Robert S
Cc: 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; Webster, Jessica M (TDY/ECN)
Sent: Mon Mar 21 22:32:00 2011
Subject: RE: Crisis Management Meeting - Spent Fuel Temperature Questions

No, only one meeting today, the big Crisis Management Team one chaired by Fukuyama/Hosono at 1300. Think the confusion entered when the GOJ side changed the meeting time after my first message last night.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Wall, Marc M

Sent: Tuesday, March 22, 2011 11:30 AM

To: Cherry, Ronald C; Young, Joseph M; Luke, Robert S

Cc: 'john.monninger@nrc.gov'; Webster, Jessica M (TDY/ECN)

Subject: RE: Crisis Management Meeting - Spent Fuel Temperature Questions

Good question.

Joe, what I know about this meeting comes through you. Can you enlighten us?

Marc

This email is UNCLASSIFIED

-----Original Message-----

From: Cherry, Ronald C

Sent: Tuesday, March 22, 2011 11:23 AM

To: Wall, Marc M; Young, Joseph M; Luke, Robert S

Cc: 'john.monninger@nrc.gov'; Webster, Jessica M (TDY/ECN)

Subject: Re: Crisis Management Meeting - Spent Fuel Temperature Questions

Marc,

NRC participation will depend on the level of the GOJ side. They're confused whether this 1300 meeting is the high-level meeting that the DCCS (?) would chair.

NRC understood the 1300 "crisis management meeting" was going to be with MOD plus additional higher level participants, while the cabinet-level meeting at 1400 would talk about the GOJ interagency approach with a high level team at the top and lower level groups headed by MEXT and NISA.

NRC asks if someone could check to confirm whether there are in fact two separate meetings. Or are these all one meeting?

Please advise.

Thanks.

Ron

This has been sent from my Blackberry

----- Original Message -----

From: Wall, Marc M

To: Young, Joseph M; Berger, Claire; Cipullo, Timothy L; Howard, E. Bruce; Cherry, Ronald C; Duncan, Shawn H; Walcott, Naomi; JapanEmbassy, TaskForce; Tong, Kurt W; Luke, Robert S; Berger, Claire

Sent: Mon Mar 21 21:16:29 2011

Subject: RE: Crisis Management Meeting - Spent Fuel Temperature Questions

Thanks.

From the embassy I see our group comprising: Tong, Luke, Cherry, yours truly, and an NRC contingent. In addition it looks like we'll have an assortment from USFJ.

Ron, please let us know who will be going from the NRC.

Claire, please factor the numbers into the transportation arrangements.

Marc

SBU

This email is UNCLASSIFIED

-----Original Message-----

From: Young, Joseph M

Sent: Tuesday, March 22, 2011 10:06 AM

To: Berger, Claire; Cipullo, Timothy L; Howard, E. Bruce; Cherry, Ronald C; Duncan, Shawn H; Walcott, Naomi; Wall, Marc M; JapanEmbassy, TaskForce; Tong, Kurt W; Luke, Robert S

Subject: FW: Crisis Management Meeting - Spent Fuel Temperature Questions

Marc: Please note the focus that the NRC reps would like to take at this afternoon's 1:00 meeting with the GOJ crisis management team. I'll inform the Japanese side.

Joe Young

Political-Military Unit Chief

U.S. Embassy, Tokyo

03-3224-5338

-----Original Message-----

From: Monninger, John [mailto:John.Monninger@nrc.gov]

Sent: Tuesday, March 22, 2011 9:56 AM

To: Young, Joseph M

Subject: Crisis Management Meeting - Spent Fuel Temperature Questions

Joe,

(b)(5)

(b)(5)

If this approach is acceptable, would you like me to send the message or would you like to do so.

John Monninger

From: Young, Joseph M [YoungJM@state.gov]
Sent: Monday, March 21, 2011 7:58 AM
To: Monninger, John
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Thanks, John. I'll forward to MOD.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Monninger, John [mailto:John.Monninger@nrc.gov]
Sent: Monday, March 21, 2011 8:50 PM
To: Young, Joseph M
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Joe,

See attached file for potential questions for tomorrow's meeting focusing on the use of information from infrared cameras to assess adequacy of spent fuel cooling.

Thanks,
John Monninger

SBU
This email is UNCLASSIFIED

From: Young, Joseph M <YoungJM@state.gov>
Sent: Monday, March 21, 2011 9:17 PM
To: kirk.soggie@nrc.gov; Monninger, John; Cook, William
Subject: FW: Japanese participants tentative list(MOD Sato) for 1300 Crisis Management Team meeting
Attachments: Japanese Participants Tentative List.doc; MAP.doc

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: 佐藤 佳久 [mailto:satouyosh@mod.go.jp]
Sent: Tuesday, March 22, 2011 12:14 AM
To: Young, Joseph M
Cc: 中嶋 浩一郎; 佐藤 佳久
Subject: Japanese participants tentative list(MOD Sato)

Dear Mr. Young, Sir;

I have attached the Japanese Participants Tentative List and MAP.
Tomorrow meeting will start at 1300hrs in Cabinet Office annexe (old ISUZU Bldg), meeting room of 9th floor.

Sincerely yours,

MAJ SATO

MAJ Yoshihisa SATO
Defense Policy Division, Bureau of Defense Policy, Ministry of Defense (MOD), JAPAN
Tel:+81-3-3268-3111(ext20362)
Fax:+81-3-5229-2135
E-MAIL : satouyosh@mod.go.jp

Japanese Participants Tentative List

1. CAS

- Mr. HOSONO, Special Advisor to the Prime Minister
- Mr. FUKUYAMA, Deputy Chief Cabinet Secretary
- Mr. ITO, Cabinet Office for National Security and Crisis Management
- Mr. NISHIKAWA, Assistant Chief Cabinet Secretary for National Security and Crisis Management
- Mr. KAWAI, Assistant Chief Cabinet Secretary for National Security and Crisis Management

2. NSC (Nuclear Safety Commission of Japan)

- Mr. KUBOTA, Deputy Chairman

2. MOFA

- Mr. MIYAKAWA, Director General, International Nuclear Energy Cooperation Division Disarmament, Non-Proliferation and Science Department
- Mr. TOMITA, Deputy Director General, North American Affairs Bureau

3. METI (NISA)

- Mr. IMAI, Deputy Director General,
- Mr. NEI, Deputy Director General, Nuclear and Industrial Safety Agency

4. TEPCO

- Mr. MUTO, Vice President
- Mr. YAMASHITA, General Manager, Nuclear Asset Management Department

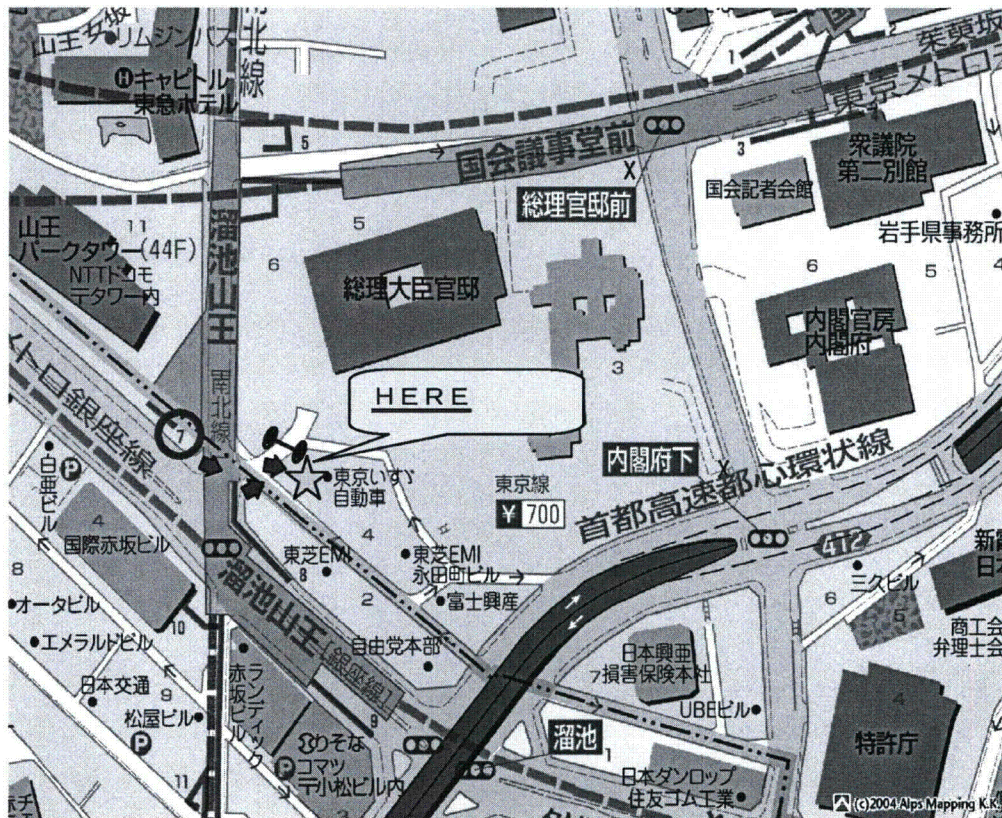
5. MEXT

- Mr. KATO, Deputy Director General, Minister's Secretariat

6. MOD

- Mr. TAKAMIZAWA, Director General, Bureau of Defense Policy
- Mr. SUZUKI, Defense Councilor (Deputy Director General)
- MG ISOBE, J5, Japan Joint Staff

MAP



〒100-0014

2-4-12 NAGATACHO, CHIYODA-KU, TOKYO

Cabinet office, annexe 5-9F (Old ISUZU Bldg)

Tel 03-3581-6056(Direct)

From: Monninger, John
Sent: Monday, March 21, 2011 9:11 PM
To: Batkin, Joshua
Subject: Re: CALLING YOU

Cell circuits are overloaded. Everyone is having issues. Ill grab a land line.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua
To: Monninger, John
Sent: Mon Mar 21 21:05:34 2011
Subject: Re: CALLING YOU

Ringing busy.

(b)(6)

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

----- Original Message -----

From: Monninger, John
To: Batkin, Joshua
Sent: Mon Mar 21 20:56:44 2011
Subject: RE: CALLING YOU

I'm here.

From: Batkin, Joshua
Sent: Monday, March 21, 2011 8:42 PM
To: Monninger, John
Subject: CALLING YOU

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: Monninger, John
Sent: Monday, March 21, 2011 9:01 PM
To: Young, Joseph M
Subject: RE: Crisis Management Meeting - Spent Fuel Temperature Questions

Many thanks Joe.

From: Young, Joseph M [YoungJM@state.gov]
Sent: Monday, March 21, 2011 8:58 PM
To: Monninger, John
Subject: RE: Crisis Management Meeting - Spent Fuel Temperature Questions

John: Thanks. I can let the GOJ side know.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Monninger, John [mailto:John.Monninger@nrc.gov]
Sent: Tuesday, March 22, 2011 9:56 AM
To: Young, Joseph M
Subject: Crisis Management Meeting - Spent Fuel Temperature Questions

Joe,

(b)(5)

John Monninger

From: Young, Joseph M [YoungJM@state.gov]
Sent: Monday, March 21, 2011 7:58 AM
To: Monninger, John
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Thanks, John. I'll forward to MOD.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Monninger, John [mailto:John.Monninger@nrc.gov]
Sent: Monday, March 21, 2011 8:50 PM
To: Young, Joseph M
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Joe,

See attached file for potential questions for tomorrow's meeting focusing on the use of information from infrared cameras to assess adequacy of spent fuel cooling.

Thanks,
John Monninger

From: RST01 Hoc
Sent: Monday, March 21, 2011 8:07 PM
To: Monninger, John; Dorman, Dan
Cc: RST01 Hoc; RST02 Hoc
Subject: NSIR Explosive Experts Briefing

Importance: High

Ralph Way will be coming over there as part of the replacement team. Senior Management wants to get a better handle of what is needed and the expectations. Thanks.

RST

From: Nakanishi, Tony
Sent: Monday, March 21, 2011 6:20 PM
To: Nakanishi, Tony; 佐藤 隆; Peko, Damian
Cc: 川野 晃; hoofc@state.gov; Monninger, John
Subject: RE: TEPCO meeting at the US Embassy Monday.
Attachments: SW in Rx chem paper.pdf

From: Nakanishi, Tony
Sent: Monday, March 21, 2011 6:15 PM
To: 佐藤 隆; Peko, Damian
Cc: 川野 晃; hoofc@state.gov; Monninger, John
Subject: RE: TEPCO meeting at the US Embassy Monday.

Dear Sato-san,
Attached contains the US assessment on the seawater issue, which we plan to discuss. The assessment was performed by Bettis and Knolls Atomic Labs.
We look forward to seeing you today.
Tony Nakanishi

From: 佐藤 隆 [satoh.takashi@tepcoco.jp]
Sent: Monday, March 21, 2011 7:29 AM
To: Peko, Damian
Cc: 川野 晃; hoofc@state.gov; Monninger, John; Nakanishi, Tony
Subject: Re: TEPCO meeting at the US Embassy Monday.

Dear Mr. Peko,

Thank you very much for your strong support to TEPCO.

Attached are the agenda and related material.
Please deliver those to the US side before the meeting of tomorrow starts.

Best regards,

Takashi Sato
TEPCO
(On behalf of Mr. Akira Kawano)

東京電力株式会社
本店 原子力・立地業務部
原子力企画グループマネージャー
佐藤 隆 (Takashi Sato)
〒100-8560 東京都千代田区内幸町1-1-3

TEL : 03-6373-4721
FAX : 03-3596-8538
E-Mail : satoh.takashi@tepcoco.jp

----- Original Message -----

From: "川野 晃" <kawano.akira@tepcoco.jp>
To: "Peko, Damian" <Damian.Peko@Nuclear.Energy.gov>
Cc: <hoofc@state.gov>; <John.monninger@nrc.gov>; <tony.nakanishi@nrc.gov>; <satoh.takashi@tepcoco.jp>
Sent: Monday, March 21, 2011 4:59 PM
Subject: Re: TEPCO meeting at the US Embassy Monday.

> Dear Mr.Damian Peko,
>
> Thank you for all of your arrangement for tomorrow meeting.
> I also appreciate for the Embassy of the U.S.A providing the
> convenience to use oversea telephone system.
>
> Our participants for the meeting are as follows:
>
> Toshihiro Bannai, NISA
> Norihisa Yuuki, NISA
> Syunichi Suzuki, TEPCO
> junichi Hakii, TEPCO
> Takashi Satoh, TEPCO
> Akira Kawano, TEPCO
>
> Warmest regards,
>
> Akira Kawano
> TEPCO
>
>
> On Mon, 21 Mar 2011 03:25:36 -0400
> "Peko, Damian" <Damian.Peko@Nuclear.Energy.gov> wrote:
>
>> Dear Kawano-san
>>
>> I a sending you this email so you have the address to send the names
>> of he NISA and TEPCO people who will be a the meeting we scheduled
>> for 10:00 tomorrow. Please reply to this email with the names of the
>> participants for this meeting.
>>
>> Best Regards
>>
>> Damian Peko
>
> 東京電力（株）
> 福島第一原子力発電所
> 第二保全部
>
> 川野 晃

>
> 電話 : 0240-32-2486 (ダイヤルイン)
> 電子メール : kawano.akira@tepcoco.jp
>
> Akira Kawano
> Maintenance Director
> Fukushima Daiichi Nuclear Power Station Tokyo Electric Power Company
>
> Phone:+81-240-32-2486
> Fax.:+81-240-32-3881
> E-mail:kawano.akira@tepcoco.jp
> URL:<http://www.tepcoco.jp/fukushima1-np/index-j.html>
>

Issues Related to Sea Water in a BWR Plant

1. Thermal Hydraulic Issues

The use of seawater for reactor core cooling introduces the potential for boiling to concentrate salts and suspended solids within the core assembly, possibly to the extent of hindering or blocking fuel channel flow. Injecting saltwater flow at a sufficiently high rate to prevent boiling would preclude this issue. A feed and bleed process injects subcooled water into the reactor vessel and relies on the change-out of water volume within the core to absorb decay heat before the water temperature reaches saturation and nucleate boiling. There are a number of considerations and challenges that must be addressed before concluding the requisite saltwater injection rate:

- Injection water will absorb heat from metal structure in addition to core decay heat. Both sources of heat must be factored into determining the rate needed to stave-off boiling within the core.
- Blockage is a localized phenomena, so the conditions within a small region would need to be characterized
- Core power peaking factors at the hot spot under normal conditions can provide an initial estimate of the local heat load; however, and effects of core degradation (if currently exists) must be factored into any calculation
- Core hot spot may not be amenable to cooling due to degradation of the local structure.

In the absence of fresh water sources, the use of saltwater for core cooling is a necessary action. The presence of cool water flow in regions surrounding any chloride-blocked regions can still provide beneficial cooling through conduction processes. However, at the earliest opportunity, fresh water sources for cooling flow should be employed at maximized rates. Freshwater flow can provide flushing through regions that may have experienced chloride build-up, thereby reducing restrictions to flow or removing chloride layering that interferes with heat transfer from core structures.

A particular concern would be accumulation of solids in the event the prevailing method to cool the reactors involves seawater addition combined with steam venting. The total decay heat generation for either unit 2 or 3 (which were operating at high power at time of event) for the first ten days after shutdown would be on the order of $6.5\text{E}+09$ BTU. Removal of this amount of heat by feed and bleed would involve roughly $6\text{E}+06$ lbm of seawater injection. The specific gravity of seawater is about 1.03 indicating a 3% solids fraction. Hence, the solids deposited within the pressure vessel could be on the order of 200,000 lbm (100 tons). This is a conservative estimate since initial decay heat removal was by normal cooling systems and buildown of initial pure water inventory. However, this calculation demonstrates the potential for large amounts of solid precipitation that would be expected to have a substantial impact on coolant flow and heat transfer for the fueled region.

Sea water contains about three weight percent dissolved solids, mostly sodium chloride. The sodium chloride concentration is about a factor of twelve below saturation near room temperature, but some of the minor constituents are much closer to saturation. Untreated sea water is of course widely used as a heat sink to condense steam. A brief check of the literature suggests that deposition of minerals from the sea water is not a problem for once-through systems, but can be a problem when the sea water is recycled between the condenser and a cooling tower, where some of the sea water evaporates, increasing the concentration of

minerals. Scaling is a major consideration when sea water is evaporated to produce fresh water. Quoting from some product literature from Rosemount Analytical,

"There are two separate scaling problems that must be dealt with in a sea water evaporator. The first includes both calcium carbonate (limestone) and magnesium hydroxide scale. These are formed under higher pH conditions when bicarbonate ions can form carbonate ions and when more hydroxyl (OH⁻) ions are present...

CaCO₃ and Mg(OH)₂ scaling can be minimized by lowering the pH of the feedwater under 5.7, thus preventing the formation of appreciable amounts of scale. This is commonly achieved by adding citric acid, ferric chloride, or sulfuric acid. However, too much acid can result in corrosion...

The second problem occurs when the feed solution becomes saturated with calcium sulfate. CaSO₄ can not be controlled by pH adjustment. It is necessary to maintain the CaSO₄ concentration below the saturation point, roughly 2 gpl, by removing a portion of the heavy brine in the evaporator."

The calcium concentration in raw sea water is ~400 ppm, which is equivalent to 1.36 grams of calcium sulfate per liter. Therefore, evaporating as little as one-third of the original volume of the sea water might cause calcium sulfate scaling to begin.

In steam generators, calcium sulfate impurity in the boiler water can be a serious problem, because it precipitates preferentially on the hottest surfaces, where it forms an adherent scale which impedes heat transfer. One of the reasons that sodium phosphate is often used as a boiler water additive is that it causes calcium to precipitate as a phosphate compound rather than as calcium sulfate. The phosphate precipitates are reputed to be less prone to form adherent scales on heat transfer surfaces.

2. Plant Integrity Issues

a. Stainless Steel Piping and Pressure Vessel Penetrations

i. BWR's have many bottom penetrations of the pressure vessels related to Control Rod Drive Mechanisms

1. Stainless Steel Welds

a. At 100C in an aerated environment stress corrosion cracking of stainless steel welds has likely begun in a period of several hours to a day

b. At 100C the Stress Corrosion Crack Growth rates of the stainless steel welds will likely proceed at rates on the order of 0.001" per day.

i. 125 days before seeing the first signs of leaking in 1/8 inch weld

ii. Several years in 1 inch and greater welds

c. Mitigation techniques

i. Once flow is re-established in the plants

1. Drive down the corrosion potential of the water

a. Deaerate the water in the plant

i. Hydrazine additions

b. Add phosphates

2. Replace salt water with fresh water as soon as practical

b. Pressure Vessel Steel

- i. Chlorides not a major concern
 - 1. Same mitigation techniques as above would be beneficial
- ii. Borate
 - 1. Concentrated borate solutions can cause fast corrosion attack of pressure vessel steel.
 - 2. Will require concentrating mechanism against the pressure vessel steel
 - a. Probably unlikely internal to the reactor
 - b. External to the reactor could conceivably occur
 - i. Davis Besse Scenario
 - 1. Primary to atmosphere leak through stainless steel penetrations
 - 2. Accumulate borates on the outside of the vessel near the leak.
- c. Nickel based alloys
 - 1. Chlorides not a major concern
 - 2. Same mitigation techniques as for stainless steel above would be beneficial

From: Devercelly, Richard
Sent: Monday, March 21, 2011 6:19 PM
To: Casto, Chuck; Cook, William; Monninger, John; Dorman, Dan; Nakanishi, Tony; Foster, Jack; Smith, Brooke; Devercelly, Richard; Trapp, James; Ulses, Anthony; Foggie, Kirk
Subject: NRC JAPAN TEAM GOING HOME STUFF

Good Morning Y'all:

On the window sill library down toward the copy machine, I set up a section that I called "Going Home Stuff". There you will find exciting documents like:

- The work schedule and premium pay guidance
- Clarification for the use of the Japan Effort TAC
- NRC team logistics
- Time zone map
- Guidance on getting your return trip tickets.

Enjoy the read.

Rick DeVercelly

From: Devercelly, Richard
Sent: Monday, March 21, 2011 6:10 PM
To: Monninger, John
Subject: FW: Currently available Radiation Protection materials and supplies

From: GRIFFIN, GLENN E [GGRIFFI@entergy.com]
Sent: Monday, March 21, 2011 5:32 PM
To: Devercelly, Richard
Cc: inpoercassistance@inpo.org; Mundy, Randy Wayne; MOORE, DAVID G; tcmoorer@southernco.com
Subject: Currently available Radiation Protection materials and supplies

Rick,

Attached is the list of currently available Radiation Protection materials and supplies from U.S. markets. As we discussed, there is currently limited availability of radiation monitors / friskers on the commercial markets. We will continue to pursue procurement of these on the commercial market, and in parallel we are asking the U.S. industry Radiation Protection managers to use their communication network to identify monitoring equipment that may be available to send to Japan from the U.S. utilities.

We have confirmed current availability of the protective clothing and potassium iodine, but we need details on how the commercial transaction will occur before our distributor can actually buy the items.

We'll follow up with additional details as they become available.

Thanks,

Glenn Griffin
Manager, Material Support
Entergy Nuclear
<<WESCO JAPAN Entergy (2).xls>>

From: Crawford, Carrie
Sent: Monday, March 21, 2011 6:10 PM
To: Wright, Darlene; Baggett, Steven; Batkin, Joshua; Blake, Kathleen; Bozin, Sunny; Bradford, Anna; Bubar, Patrice; Bupp, Margaret; Chairman Temp; Clark, Lisa; Coggins, Angela; Cordes, John; Davis, Roger; Fopma, Melody; Franovich, Mike; Gibbs, Catina; Hart, Ken; Harves, Carolyn; Herr, Linda; Hipschman, Thomas; KLS Temp; Kock, Andrea; Lepre, Janet; Loyd, Susan; Mamish, Nader; Marshall, Michael; Monninger, John; Orders, William; Pace, Patti; Poole, Brooke; Reddick, Darani; Laufer, Richard; Baval, Rochelle; Rothschild, Trip; Savoy, Carmel; Sharkey, Jeffry; Shea, Pamela; Snodderly, Michael; Sosa, Belkys; Speiser, Herald; Svinicki, Kristine; Temp, WCO; Temp, WDM; Thoma, John; Warren, Roberta; Zorn, Jason; Apostolakis, George; Temp, GEA; Tadesse, Rebecca; Castleman, Patrick; Montes, David; Dhir, Neha; Adler, James; Jimenez, Patricia; Muessle, Mary; Nieh, Ho; Ostendorff, William; Warnick, Greg; Pearson, Laura; Lui, Christiana; Lisann, Elizabeth
Cc: Lewis, Antoinette; Magwood, William
Subject: RE: VOTE SHEET FOR COMGBJ-11-0002 (NRC Actions Following the Events in Japan))
Attachments: WDM-cmt-COMGBJ11-0002 Original Signature.pdf

(b)(5)

From: Wright, Darlene
Sent: Monday, March 21, 2011 11:30 AM
Cc: Lewis, Antoinette
Subject: VOTE SHEET FOR COMGBJ-11-0002 (NRC Actions Following the Events in Japan))

The ADAMS Accession # for the SECY is unavailable at this time.

(b)(5)

(b)(5)

(b)(5)

From: O'Donnell, Brian C (INPO) <O'DonnellBC@INPO.org>
Sent: Monday, March 21, 2011 4:47 PM
To: Devercelly, Richard; Monninger, John
Subject: Radiation Meters

Rick or John

Are either of you available for a conference call on request for radiation meters? We would like to do the call at 1700 EDT

The bridge line is 888-654-2663 with access code (b)(6) #

Brian C. O'Donnell
INPO Assistance Division
770-644-8628 (W)
(b)(6) (C)

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Thank you.

Subject: ET Status Briefing
Location: HOO to call Chairman

Start: Tue 4/12/2011 8:45 AM
End: Tue 4/12/2011 9:00 AM

Recurrence: Daily
Recurrence Pattern: every day from 8:45 AM to 9:00 AM

Organizer: Jaczko, Gregory

From: RST01 Hoc
Sent: Monday, March 21, 2011 3:31 PM
To: Trapp, James; Devercelly, Richard; Cook, William; Monninger, John
Subject: FW: Requested information regarding nonexplosive means of removing roof / hole on side of buidling

From: Holahan, Patricia
Sent: Monday, March 21, 2011 10:29 AM
To: RST01 Hoc
Subject: Fw: Requested information regarding nonexplosive means of removing roof / hole on side of buidling

From: ET07 Hoc
To: RST01 Hoc
Cc: Johnson, Clay; Holahan, Patricia; Wiggins, Jim
Sent: Sun Mar 20 14:24:36 2011
Subject: Requested information regarding nonexplosive means of removing roof / hole on side of buidling

RST-

Below are some initial recommendations that need to be transmitted to the site team (per their request). If the site team needs more detail regarding a particular option, staff and contract support are available to assist. The ET Director has reviewed these options.

(b)(5)

I hope this helps and we are always available should you need more information. These are rough ideas, that lack much of the details required to be able to talk smartly about percentage of success.

From: Devercelly, Richard
Sent: Monday, March 21, 2011 2:02 PM
To: Monninger, John
Subject: FW: request for radiation monitors and other materials
Attachments: RADIATION HEALTH EQUIPMENT NEEDS.docx

John:

I created the attached spread sheet to hand out to TEPCO at one of your meetings. Ask them to review and provide feedback on their needs.

In addition we need several other pieces of information:

- Who will be the TEPCO Point of Contact for the shipment?
- What is the shipping address?
- How is the equipment to be paid for?

Lastly, Brian Lewis of the State Dept Foreign Consequence Management Office (you have his card) would like to attend the meeting when this topic is visited.

Our INPO contacts are staffed at inpoercassistance@inpo.org

From: Thur, Randy R [ThurRR@state.gov]
Sent: Monday, March 21, 2011 1:38 PM
To: Devercelly, Richard
Subject: RE: request for radiation monitors and other materials

Can Brian Lewis attend any of these meetings later on today?

From: Devercelly, Richard [mailto:Richard.Devercelly@nrc.gov]
Sent: Mon 3/21/2011 11:50 AM
To: INPOERCAssistance
Cc: Nakanishi, Tony; Monninger, John; Cook, William; Casto, Chuck; Dorman, Dan; Foster, Jack; Lewis, Brian M; Thur, Randy R
Subject: RE: request for radiation monitors and other materials

Thanks Terry:

There are several meeting scheduled with TEPCO today (3/22/11). I will get the list into a spreadsheet and have it presented for their reply/requests.

We will get back to you soon.

Rick DeVercelly

From: Maund, Terrance P. (INPO) [MaundTR@inpo.org] On Behalf Of INPOERCAssistance
[INPOERCAssistance@inpo.org]
Sent: Sunday, March 20, 2011 11:18 PM
To: Devercelly, Richard; Monninger, John
Cc: (b)(6)
Subject: request for radiation monitors and other materials

Rick and John we put together at INPO the below list of potential materials for TEPCO based on what we thought would be needed. (we do not know any specifics from TEPCO on their needs). We have the Supply Chain experts for the utilities working on verifying with suppliers what specific monitors are available. We are also canvassing the industry to see what spare monitors the utilities can offer. We will have more specific information, (make, model, range etc..) for you to communicate to TEPCO as we obtain it. I will forward the information to all. We are communicating with FLUKE, a major supplier of rad monitors for inventory and specifications tonight. Please see if TEPCO can use the other materials, and if the amounts are too much or not enough, we are also working on obtaining the Respirators, ANTI-C clothing and KI pills.

Here is our estimated likely needs for equipment. The specifics equipment and estimates were assembled by our RP support team.

Radiation Monitors, Survey Meters, Friskers

- * 500 Friskers with HP-210 / 44-9 probes
- * 500 replacement frisker detectors (15.5 cm2 G-M tubes)
- * 200 Ion Chambers with open/close window capability
- * 100 instruments with nuclide identification capability - e.g., PDS-ID by Merion

Anti-C clothing

- * 100,000 Disposable Tyveks coveralls (various sizes, but average worker slightly smaller than US worker)
- * 20,000 Disposable, breathable rain suits
- * 200,000 disposable sets of paper and rubber shoe covers
- * 400,000 pairs of disposable latex heavy duty gloves
- * 200,000 pair of cotton glove liners
- * 120,000 Disposable hoods

Respirator masks and filters

- * 5,000 full face mask respirators
- * 50,000 particulate / iodine cartridges

Potassium Iodine tablets

* Unknown quantity at this time, but likely above 1,000,000

Thanks ,
Terry Maund INPO Assistance
770-644-8118

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Thank you.

RADIATION HEALTH EQUIPMENT

INPO ESTIMATED NEEDS

CATEGORY	ITEM	DETAILS	ESTIMATED NEED	AVAILABILITY	TEPCO NEED
RADIATION MONITORS	Contamination Friskers	HP-210 with 44-9 probes	500	Yes	
	Frisker replacement probes	15.5 cm2 Geiger-Meuller	500	Yes	
	Beta and Gamma Detectors	Ion Chamber with beta window	200	Yes	
	Nuclide Identification Instruments	Merion PDS-ID or equivalent	100	Yes	
PERSONNEL PROTECTION	Disposable Tyvec Coveralls	Various Sizes	100,000	Yes	
	Disposable Breathable Rain Suits	Various Sizes	20,000	Yes	
	Disposable paper and rubber shoe covers	Various Sizes	200,000 sets	Yes	
	Disposable Latex Gloves	Heavy Duty	400,000 pair	Yes	
	Cotton liner gloves		200,000 pair	Yes	
	Disposable Hoods		120,000	Yes	
	Respirator Mask	Full Face	5000	Yes	
	Respirator Filters	Particulate and iodine filtration	50,000	Yes	
	Potassium Iodide (KI)	Tablets	1,000,000	Yes	
TEPCO ADDITIONAL NEEDS					

From: Devercelly, Richard
Sent: Monday, March 21, 2011 1:47 PM
To: Thur, Randy R
Cc: Monninger, John
Subject: RE: request for radiation monitors and other materials

I see no reason why not. I will not know, until morning, which meeting will touch on this topic. Stop by around 0800 and I may have more current info.

From: Thur, Randy R [ThurRR@state.gov]
Sent: Monday, March 21, 2011 1:38 PM
To: Devercelly, Richard
Subject: RE: request for radiation monitors and other materials

Can Brian Lewis attend any of these meetings later on today?

From: Devercelly, Richard [mailto:Richard.Devercelly@nrc.gov]
Sent: Mon 3/21/2011 11:50 AM
To: INPOERCAssistance
Cc: Nakanishi, Tony; Monninger, John; Cook, William; Casto, Chuck; Dorman, Dan; Foster, Jack; Lewis, Brian M; Thur, Randy R
Subject: RE: request for radiation monitors and other materials

Thanks Terry:

There are several meeting scheduled with TEPCO today (3/22/11). I will get the list into a spreadsheet and have it presented for their reply/requests.

We will get back to you soon.

Rick DeVercelly

From: Maund, Terrance P. (INPO) [MaundTR@inpo.org] On Behalf Of INPOERCAssistance [INPOERCAssistance@inpo.org]
Sent: Sunday, March 20, 2011 11:18 PM
To: Devercelly, Richard; Monninger, John
Cc: (b)(6)
Subject: request for radiation monitors and other materials

Rick and John we put together at INPO the below list of potential materials for TEPCO based on what we thought would be needed. (we do not know any specifics from TEPCO on their needs). We have the Supply Chain experts for the

utilities working on verifying with suppliers what specific monitors are available. We are also canvassing the industry to see what spare monitors the utilities can offer. We will have more specific information, (make, model, range etc..) for you to communicate to TEPCO as we obtain it. I will forward the information to all. We are communicating with FLUKE, a major supplier of rad monitors for inventory and specifications tonight. Please see if TEPCO can use the other materials, and if the amounts are too much or not enough, we are also working on obtaining the Respirators, ANTI-C clothing and KI pills.

Here is our estimated likely needs for equipment. The specifics equipment and estimates were assembled by our RP support team.

Radiation Monitors, Survey Meters, Friskers

- * 500 Friskers with HP-210 / 44-9 probes
- * 500 replacement frisker detectors (15.5 cm2 G-M tubes)
- * 200 Ion Chambers with open/close window capability
- * 100 instruments with nuclide identification capability - e.g., PDS-ID by Merion

Anti-C clothing

- * 100,000 Disposable Tyveks coveralls (various sizes, but average worker slightly smaller than US worker)
- * 20,000 Disposable, breathable rain suits
- * 200,000 disposable sets of paper and rubber shoe covers
- * 400,000 pairs of disposable latex heavy duty gloves
- * 200,000 pair of cotton glove liners
- * 120,000 Disposable hoods

Respirator masks and filters

- * 5,000 full face mask respirators
- * 50,000 particulate / iodine cartridges

Potassium Iodine tablets

- * Unknown quantity at this time, but likely above 1,000,000

Thanks ,
Terry Maund INPO Assistance
770-644-8118

.DISCLAIMER:

~~This e-mail and any of its attachments may contain proprietary INPO or WANO information that is privileged, confidential, or protected by copyright belonging to INPO or WANO. This e-mail is intended solely for the use of the individual or entity for which it is intended. If you are not the intended recipient of this e-mail, any dissemination, distribution, copying, or action taken in relation to the contents of and attachments to this e-mail is contrary to the rights of INPO or WANO and is prohibited. If you are not the intended recipient of this e-mail, please notify the sender immediately by return e-mail and permanently delete the original and any copy or printout of this e-mail and any attachments.~~

Thank you.

From: Bradford, Anna
Sent: Monday, March 21, 2011 11:59 AM
To: Clark, Lisa; Dhir, Neha; Fopma, Melody; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Warren, Roberta
Subject: New Commission mtg schedule

FYI, here's the Commission meeting schedule they agreed to in agenda planning today, with the understanding it may change in the future.

3/24 – ECCS rulemaking mtg postponed for now, will not withdraw the paper
3/29 – Small Modular Reactors
3/31 – closed meeting on handling short-term adjudicatory matters
4/14 – Health Effects of Radiation
4/19 – Source security (Part 37)
4/28 – Station Blackout
5/3 – 30-day quick look for Japan incident
5/12 – EP in general and EP Rule
5/27 – AARM
6/2 – Human Capital/EEO
6/6 – ACRS
6/16 – 60 day status for Japan incident

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: LIA02 Hoc
Sent: Monday, March 21, 2011 11:19 AM
To: Devercelly, Richard
Cc: Nakanishi, Tony; Cook, William; Casto, Chuck; Monninger, John
Subject: RE: Urgent question from ET

Thank you very much!

From: Devercelly, Richard
Sent: Monday, March 21, 2011 10:33 AM
To: LIA02 Hoc
Cc: Nakanishi, Tony; Cook, William; Casto, Chuck; Monninger, John
Subject: RE: Urgent question from ET

To the best of our knowledge (Tony and John) the meeting is still on. It is scheduled for 22 March at 1000 AM **JAPAN** time **not** EDT. It is now 21 March 1130 PM. That makes the meeting 10.5 hours from now.

Please reply to confirm receipt.

From: LIA02 Hoc
Sent: Monday, March 21, 2011 8:59 AM
To: Liaison Japan
Subject: Urgent question from ET

We have heard from Naval Reactors that a meeting between the NRC team in Japan and TEPCO, originally scheduled for 10:00 EDT here, is now cancelled. Can you please confirm?

From: LIA02 Hoc
Sent: Monday, March 21, 2011 11:18 AM
To: Nakanishi, Tony
Cc: Monninger, John
Subject: RE: TEPCO meeting at the US Embassy Monday.

Tony, thanks for the information. Can you please let me know whether there is a role for U.S. industry to participate? Or whether you have required info already.

Thanks!

Jen

-----Original Message-----

From: Nakanishi, Tony
Sent: Monday, March 21, 2011 9:56 AM
To: LIA02 Hoc
Cc: Monninger, John
Subject: Re: TEPCO meeting at the US Embassy Monday.

Meeting is on for tues 10am jst at the us embassy. Nrc in japan will call the ops center to tie in the rst. Sorry for the confusion.

----- Original Message -----

From: LIA02 Hoc
To: Nakanishi, Tony
Cc: Monninger, John
Sent: Mon Mar 21 09:37:32 2011
Subject: RE: TEPCO meeting at the US Embassy Monday.

Tony, thanks.

I'm confused - the subject says "Monday" but the agenda says 3/22 (Tuesday). It sounds like RST has the time all mixed up. Can you please confirm the time of this meeting, the location (is it at the US Embassy in Tokyo??), and whether it is still on?

-----Original Message-----

From: Nakanishi, Tony
Sent: Monday, March 21, 2011 9:34 AM
To: LIA02 Hoc; Liaison Japan
Cc: 'Damian.Peko@Nuclear.Energy.gov'
Subject: Fw: TEPCO meeting at the US Embassy Monday.

For the tepco mtg.

----- Original Message -----

From: 佐藤 隆 <satoh.takashi@tepcoco.jp>
To: Peko, Damian <Damian.Peko@Nuclear.Energy.gov>

Cc: 川野 晃 <kawano.akira@tepco.co.jp>; hoofc@state.gov <hoofc@state.gov>; Monninger, John; Nakanishi, Tony
Sent: Mon Mar 21 07:29:30 2011
Subject: Re: TEPCO meeting at the US Embassy Monday.

Dear Mr. Peko,

Thank you very much for your strong support to TEPCO.

Attached are the agenda and related material.
Please deliver those to the US side before the meeting of tomorrow starts.

Best regards,

Takashi Sato
TEPCO
(On behalf of Mr. Akira Kawano)

東京電力株式会社
本店 原子力・立地業務部
原子力企画グループマネージャー
佐藤 隆 (Takashi Sato)
〒100-8560 東京都千代田区内幸町1-1-3
TEL : 03-6373-4721
FAX : 03-3596-8538
E-Mail : satoh.takashi@tepco.co.jp

----- Original Message -----

From: "川野 晃" <kawano.akira@tepco.co.jp>
To: "Peko, Damian" <Damian.Peko@Nuclear.Energy.gov>
Cc: <hoofc@state.gov>; <John.monninger@nrc.gov>; <tony.nakanishi@nrc.gov>; <satoh.takashi@tepco.co.jp>
Sent: Monday, March 21, 2011 4:59 PM
Subject: Re: TEPCO meeting at the US Embassy Monday.

> Dear Mr.Damian Peko,
>
> Thank you for all of your arrangement for tomorrow meeting.
> I also appreciate for the Embassy of the U.S.A providing the
> convenience to use oversea telephone system.
>
> Our participants for the meeting are as follows:
>
> Toshihiro Bannai, NISA
> Norihisa Yuuki, NISA
> Syunichi Suzuki, TEPCO
> junichi Hakii, TEPCO
> Takashi Satoh, TEPCO
> Akira Kawano, TEPCO
>
> Warmest regards,
>

> Akira Kawano
> TEPCO
>
>
> On Mon, 21 Mar 2011 03:25:36 -0400
> "Peko, Damian" <Damian.Peko@Nuclear.Energy.gov> wrote:
>
>> Dear Kawano-san
>>
>> I a sending you this email so you have the address to send the names
>> of he NISA and TEPCO people who will be a the meeting we scheduled
>> for 10:00 tomorrow. Please reply to this email with the names of the
>> participants for this meeting.
>>
>> Best Regards
>>
>> Damian Peko
>
> 東京電力（株）
> 福島第一原子力発電所
> 第二保全部
>
> 川野 晃
>
> 電話：0240-32-2486（ダイヤルイン）
> 電子メール：kawano.akira@tepcoco.jp
>
> Akira Kawano
> Maintenance Director
> Fukushima Daiichi Nuclear Power Station Tokyo Electric Power Company
>
> Phone:+81-240-32-2486
> Fax.:+81-240-32-3881
> E-mail:kawano.akira@tepcoco.jp
> URL:<http://www.tepcoco.jp/fukushima1-np/index-j.html>
>

From: Devercelly, Richard
Sent: Monday, March 21, 2011 9:30 AM
To: Monninger, John
Subject: FW: Urgent question from ET

Importance: High

John:

Please call Rick DeVercelly or our Embassy Team Conference Room regarding the below.

From: LIA02 Hoc
Sent: Monday, March 21, 2011 8:59 AM
To: Liaison Japan
Subject: Urgent question from ET

We have heard from Naval Reactors that a meeting between the NRC team in Japan and TEPCO, originally scheduled for 10:00 EDT here, is now cancelled. Can you please confirm?

From: LIA02 Hoc
Sent: Monday, March 21, 2011 9:29 AM
To: Monninger, John
Subject: RE: Urgent question from ET

Sorry John, I was given misinformation. The meeting is supposedly scheduled for 10:00 AM Tuesday Japan time (aka 9PM EDT our time). In RST turnover it was conveyed to Fred Brown that this meeting was going to consist of TEPCO providing status updates on a variety of issues. RST felt this meeting would be pivotal in receiving a bunch of information.

Again, NRC heard from Naval Reactors that the meeting is off. Can you please let me know what you may have heard? Thanks!

From: Monninger, John
Sent: Monday, March 21, 2011 9:01 AM
To: LIA02 Hoc
Subject: Re: Urgent question from ET

Do you know the subject of the meeting?

John Monninger

(b)(6)

From: LIA02 Hoc
To: Liaison Japan
Sent: Mon Mar 21 08:59:05 2011
Subject: Urgent question from ET

We have heard from Naval Reactors that a meeting between the NRC team in Japan and TEPCO, originally scheduled for 10:00 EDT here, is now cancelled. Can you please confirm?

From: LIA02 Hoc
Sent: Monday, March 21, 2011 9:04 AM
To: Monninger, John
Subject: RE: Urgent question from ET

I'm afraid not – all I got from Fred Brown is that there was supposed to be a meeting.

From: Monninger, John
Sent: Monday, March 21, 2011 9:01 AM
To: LIA02 Hoc
Subject: Re: Urgent question from ET

Do you know the subject of the meeting?

John Monninger

(b)(6)

From: LIA02 Hoc
To: Liaison Japan
Sent: Mon Mar 21 08:59:05 2011
Subject: Urgent question from ET

We have heard from Naval Reactors that a meeting between the NRC team in Japan and TEPCO, originally scheduled for 10:00 EDT here, is now cancelled. Can you please confirm?

From: Zumwalt, James P <ZumwaltJP@state.gov>
Sent: Monday, March 21, 2011 8:05 AM
To: Young, Joseph M; Wall, Marc M; Luke, Robert S; Monninger, John; Cook, William; Wiltse, Jeffrey S COL USA USFJ J5
Cc: Alexander, Kathleen J; Berger, Claire; Horowitz, Paul D; Cipullo, Timothy L; Walcott, Naomi
Subject: RE: meeting time changed to 1300 tomorrow, Tuesday

ECON -- Update from previous message.

James P. Zumwalt
Deputy Chief of Mission
U.S. Embassy, Tokyo
1-10-5 Akasaka
Minato ku Tokyo 107-8420
(03) 3224-5550
<http://tokyo.usembassy.gov/zb主blog/e/zb主blog-emain.html>

SBU
This email is UNCLASSIFIED.

From: Young, Joseph M
Sent: Monday, March 21, 2011 9:03 PM
To: Young, Joseph M; Zumwalt, James P; Wall, Marc M; Luke, Robert S; 'john.monninger@nrc.gov'; 'Cook, William'; 'Wiltse, Jeffrey S COL USA USFJ J5'
Cc: Alexander, Kathleen J
Subject: meeting time changed to 1300 tomorrow, Tuesday

All: No sooner did I hit send than I received word the meeting time had changed to 1300 tomorrow. Also, please see attached the list of questions that the NRC team would like to discuss at the meeting.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

From: Young, Joseph M
Sent: Monday, March 21, 2011 8:58 PM
To: Zumwalt, James P; Wall, Marc M; Luke, Robert S; 'john.monninger@nrc.gov'; 'Cook, William'; 'Wiltse, Jeffrey S COL USA USFJ J5'
Cc: Alexander, Kathleen J
Subject: 2:00 meeting tomorrow, Tuesday, with GOJ Crisis Management Team/Fukuyama/Hosono

Jim: Just heard from MOD's Nakajima-san that the meeting the GOJ inter-agency crisis management team would like to hold with our side tomorrow will be at 2:00 at the Isuzu facility next to the

Kantei. Hosono and Fukuyama will be there, and most participants will be at the DG or DDG-level. (Not sure how this squares with the information we received earlier that the Japanese side will have operational-level attendees, but hopefully the DGs/DDGs will be versant on the operational issues.) Nakajima projected that there would be a dozen or so folks at the front table on the Japanese side, with twenty or so in the back. He also asked that we provide to the Japanese tonight, if possible, the questions that the NRC participants would like to ask. I'll get the final roster of Japanese attendees tomorrow morning. Not to speak for Rob, but I think we saw Econ as taking the lead on this meeting, especially as we would not be at MOD.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

From: Young, Joseph M <YoungJM@state.gov>
Sent: Monday, March 21, 2011 8:04 AM
To: Zumwalt, James P; Wall, Marc M; Luke, Robert S; Monninger, John; Cook, William; Wiltse, Jeffrey S COL USA USFJ J5; Horowitz, Paul D; Berger, Claire; Cherry, Ronald C; Howard, E. Bruce; Walcott, Naomi; Cipullo, Timothy L
Cc: Alexander, Kathleen J
Subject: RE: 2:00 meeting tomorrow, Tuesday, with GOJ Crisis Management Team/Fukuyama/Hosono

Thanks, Jim. Also, if ECON needs any help reaching out to our FCM or DTRA folks, just let us know.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

From: Zumwalt, James P
Sent: Monday, March 21, 2011 9:02 PM
To: Young, Joseph M; Wall, Marc M; Luke, Robert S; 'john.monninger@nrc.gov'; 'Cook, William'; 'Wiltse, Jeffrey S COL USA USFJ J5'; Horowitz, Paul D; Berger, Claire; Cherry, Ronald C; Howard, E. Bruce; Walcott, Naomi; Cipullo, Timothy L
Cc: Alexander, Kathleen J
Subject: RE: 2:00 meeting tomorrow, Tuesday, with GOJ Crisis Management Team/Fukuyama/Hosono

Thanks. Marc Wall will take action. This coincides with our employee town hall meeting that I really can't miss so I am not sure if I can come, but I'll count on Ambassador Wall to chair our side. Jim

PS I left a message for Marc on his cell phone but will count on Claire and Paul to make sure Marc sees this message.

James P. Zumwalt
Deputy Chief of Mission
U.S. Embassy, Tokyo
1-10-5 Akasaka
Minato ku Tokyo 107-8420
(03) 3224-5550
<http://tokyo.usembassy.gov/zb主log/e/zb主log-emain.html>

SBU
This email is UNCLASSIFIED.

From: Young, Joseph M
Sent: Monday, March 21, 2011 8:58 PM
To: Zumwalt, James P; Wall, Marc M; Luke, Robert S; 'john.monninger@nrc.gov'; 'Cook, William'; 'Wiltse, Jeffrey S COL USA USFJ J5'
Cc: Alexander, Kathleen J
Subject: 2:00 meeting tomorrow, Tuesday, with GOJ Crisis Management Team/Fukuyama/Hosono

Jim: Just heard from MOD's Nakajima-san that the meeting the GOJ inter-agency crisis management team would like to hold with our side tomorrow will be at 2:00 at the Isuzu facility next to the Kantei. Hosono and Fukuyama will be there, and most participants will be at the DG or DDG-level. (Not sure how this squares with the information we received earlier that the Japanese side will have operational-level attendees, but hopefully the DGs/DDGs will be versant on the operational issues.) Nakajima projected that there would be a dozen or so folks at the front table on the Japanese side, with twenty or so in the back. He also asked that we provide to the Japanese tonight, if possible, the questions that the NRC participants would like to ask. I'll get the final roster of Japanese attendees tomorrow morning. Not to speak for Rob, but I think we saw Econ as taking the lead on this meeting, especially as we would not be at MOD.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

QUESTIONS REGARDING SPENT FUEL POOL TEMPERATURES

1. For each reactor, what material is the infrared camera measuring and how does the measured temperature readings from the infrared camera relate to the temperature of the spent fuel?
2. The infrared camera measures the temperature of the material facing the camera. The Unit 1 spent fuel pool appears to have the collapsed roof resting on top with a temperature reading of 58 C on 3/20/11; whereas, the Unit 4 spent fuel pool may have a clearer view to the camera with temperature readings of 42 C. How do you consider differences in the material being measured in assessments of spent fuel cooling?
3. How is the presence or absence of steam considered in assessments of whether sufficient cooling is being provided for the spent fuel?
4. The infrared camera readings from 3/20/2011 have readings for Units 1, 2, 3, and 4 of 58 C, 35 C, 62 C, and 42 C respectively. If one were to solely rely upon these temperature indications, the rank order would be Unit 3 (62 C), Unit 1 (58 C), Unit 4 (42 C), and Unit 2 (35 C). However, it is generally believed that the priority should be Unit 3 and 4. As such, what other considerations are included in decisions on prioritizing actions?
5. Previous analysis conducted indicated that Unit 1 had more considerably more thermal margin (128 days) than any other unit; however, the temperature indications of Unit 1 are almost as high as the highest priority Unit 3.
6. What considerations are given to inefficiencies in the amount of spray flow that reaches the spent fuel due to overspray, cross winds, and other interferences? When reporting the tons of water delivered to the spent fuel pools, how does it factor in the inefficiencies?
7. When assessing spent fuel pool cooling based on the tons of water delivered for a particular day, how is the amount of water needed for cooling that day considered?

From: Young, Joseph M <YoungJM@state.gov>
Sent: Monday, March 21, 2011 7:58 AM
To: Monninger, John
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Thanks, John. I'll forward to MOD.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Monninger, John [mailto:John.Monninger@nrc.gov]
Sent: Monday, March 21, 2011 8:50 PM
To: Young, Joseph M
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Joe,

See attached file for potential questions for tomorrow's meeting focusing on the use of information from infrared cameras to assess adequacy of spent fuel cooling.

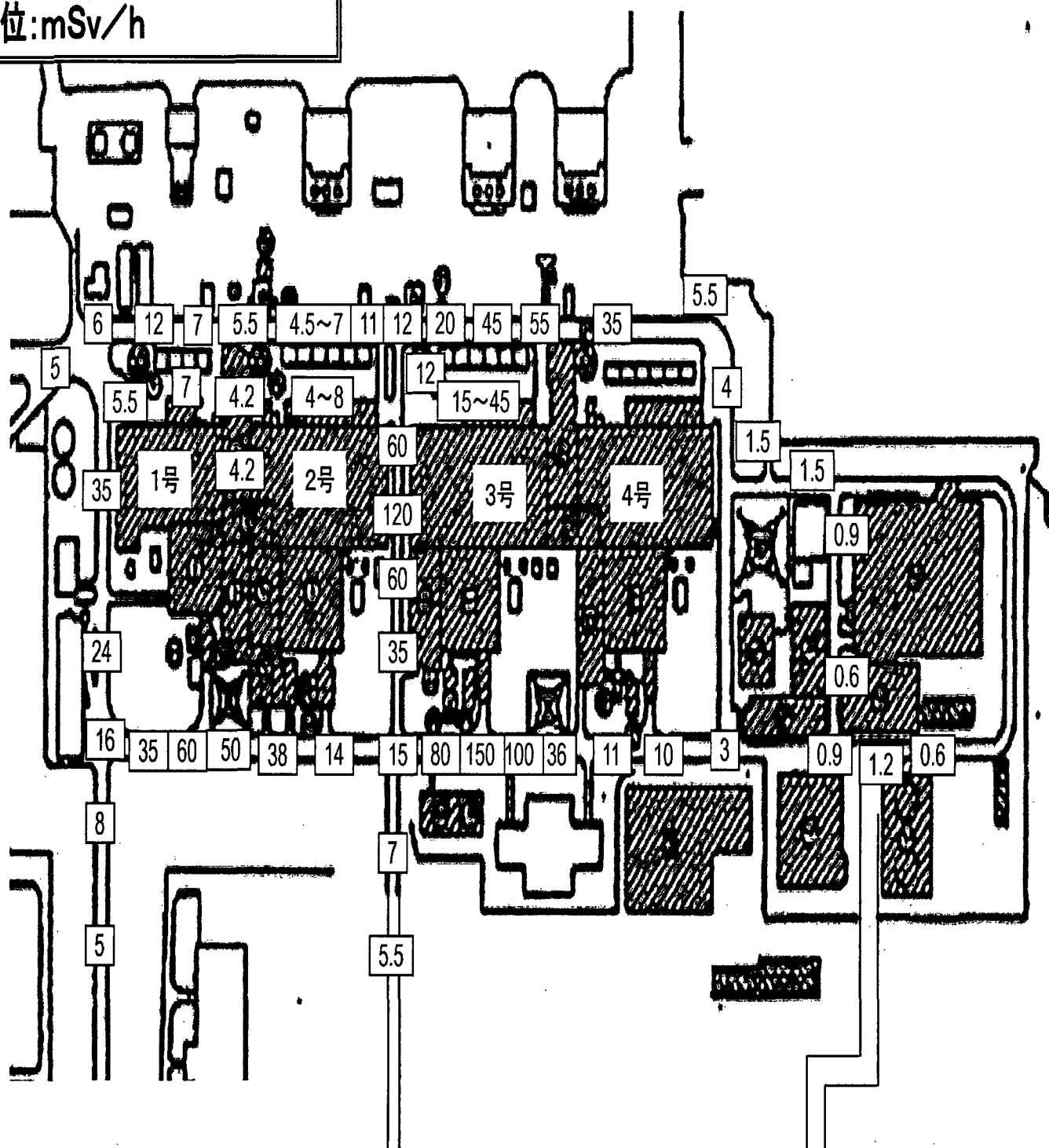
Thanks,
John Monninger

測定日時:

3月20日 15時~17時30分

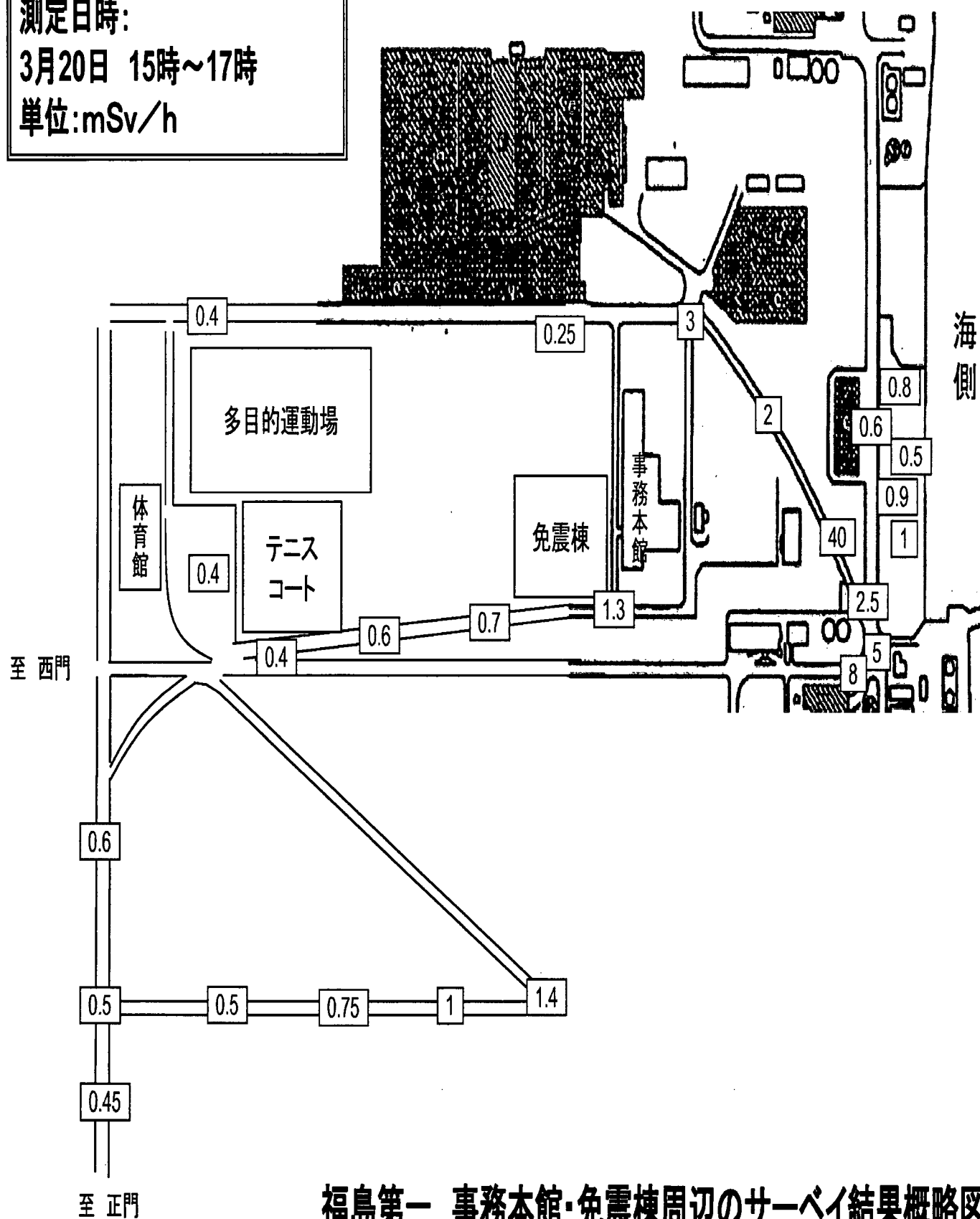
単位:mSv/h

海 側



福島第一・1~4号機周辺のサーベイ結果概略図

測定日時:
3月20日 15時~17時
単位:mSv/h



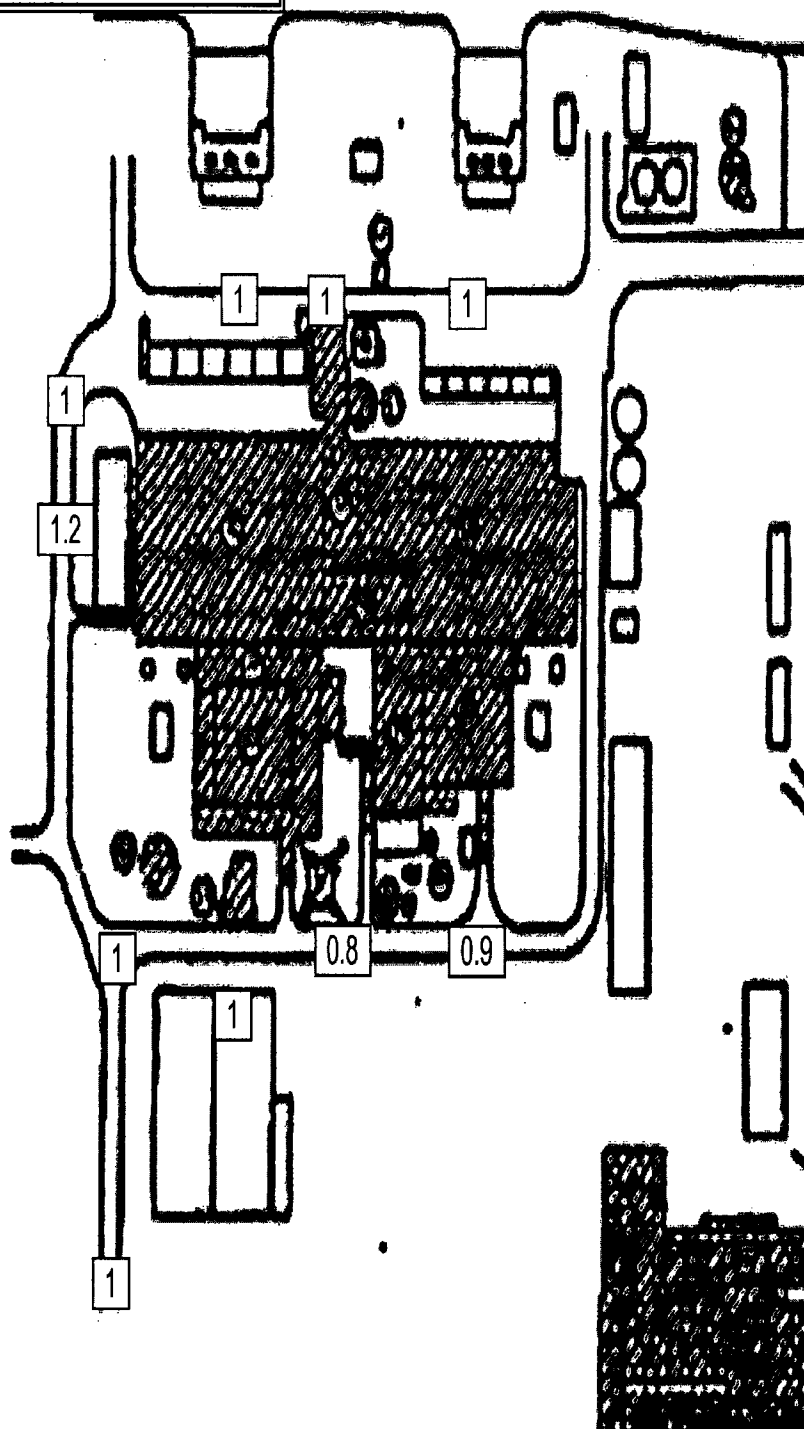
福島第一 事務本館・免震棟周辺のサーベイ結果概略図

測定日時:

3月18日 18時15分~18時30分

単位:mSv/h

海側



5・6号機周辺のサーベイ結果概略図

Agenda on the meeting @ the Embassy of the U.S.A. 2011.03.22

1. Salt Issue
 - TEPCO: preliminary analysis result on salt development
 - NRC: analysis result
 - discussion on salt issue solutions
2. Additional questions on core cooling, criticality and hydrogen explosion
 - how to implement core cooling, except ongoing TEPCO ideas (recovery of CS, CRD and SLC)
 - how to avoid recurrence of criticality
 - how to avoid hydrogen explosion
3. Progress in water cannon, robot and radiation detector/protection
 - NRC: answers on water cannon questions from TEPCO
 - NRC: specific proposals on robots from NRC
 - NRC: specific proposals on radiation detector/protection from NRC
 - TEPCO: radiation level map of 1F site
4. Schedule on water cannon
 - when to arrive at Yokota
 - how to make the first contact with Bechtel experts

From: Laufer, Richard
Sent: Monday, March 21, 2011 6:38 AM
To: Baval, Rochelle; Hart, Ken; Vietti-Cook, Annette; Kasputys, Clare; Reddick, Darani; Davis, Roger; Thoma, John; Sharkey, Jeffry; Batkin, Joshua; Herr, Linda; Bradford, Anna; Burns, Stephen; Coggins, Angela; Clark, Lisa; Hipschman, Thomas; Monninger, John; Shea, Pamela; Bozin, Sunny; Baggett, Steven; Andersen, James; Warren, Roberta; Mamish, Nader; Landau, Mindy; Marshall, Michael; Fopma, Melody; Orders, William; Nieh, Ho; Zorn, Jason; Franovich, Mike; Kock, Andrea; Crawford, Carrie; Bubar, Patrice; Temp, WCO; Snodderly, Michael; Sosa, Belkys; Tadesse, Rebecca; Bupp, Margaret; Temp, WDM; Svinicki, Kristine; Castleman, Patrick; Adler, James; Dhir, Neha; Muessle, Mary; Pearson, Laura; Warnick, Greg; Lisann, Elizabeth
Cc: Rothschild, Trip; Itzkowitz, Marvin
Subject: Status Update
Attachments: Status Update.docx

See attached.

Rich

STATUS UPDATE

(b)(5)

STATUS OF FOIA REQUESTS

FOIA NUMBER/SUBJECT	TO COMRS/SECY PERFECTED DATE	DUE DATE TO SECY COMRS/SECY	RECEIVED FROM STATUS/COMMENTS
---------------------	---------------------------------	--------------------------------	----------------------------------

(b)(5)

From: Luke, Robert S <LukeRS@state.gov>
Sent: Monday, March 21, 2011 6:23 AM
To: Monninger, John
Subject: FW: Could you clear this write up of two meetings yesterday for the Task Force in DC

This email is UNCLASSIFIED.

From: Luke, Robert S
Sent: Monday, March 21, 2011 7:18 PM
To: 'Smith, Brooke'
Subject: Could you clear this write up of two meetings yesterday for the Task Force in DC

(b)(5)

(b)(5)

Robert S. Luke
Minister-Counselor for Political Affairs
U.S. Embassy Tokyo
1-10-5 Akasaka, Minato-ku
Tokyo 107-8420
81-33224-5330

~~SBU~~

This email is UNCLASSIFIED.

From: LIA07 Hoc
Sent: Monday, March 21, 2011 6:07 AM
To: Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony
Subject: USNRC Earthquake-Tsunami Update 03.21.11--0600 EDT
Attachments: USNRC Earthquake-Tsunami Update.032111.0600EDT.docx

Attached, please find the **0600 EDT March 21, 2011** status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson
Office of Nuclear Security and Incident Response
U.S. Nuclear Regulatory Commission
James.anderson@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: Uhle, Jennifer
Sent: Monday, March 21, 2011 6:03 AM
To: Jaczko, Gregory
Cc: Batkin, Joshua; Coggins, Angela; Borchardt, Bill; Weber, Michael; Virgilio, Martin; Zimmerman, Roy; Carpenter, Cynthia; Skeen, David; Ruland, William; Hiland, Patrick; Nakanishi, Tony; Foster, Jack; Monninger, John; Casto, Chuck; Cook, William; Trapp, James; Ulses, Anthony; Devercelly, Richard; Foggie, Kirk; Smith, Brooke; Johnson, Michael; Wiggins, Jim; Sheron, Brian; Boger, Bruce; Lewis, Robert; Ordaz, Vonna; Camper, Larry; Miller, Charles; Holahan, Patricia; Dudes, Laura
Attachments: Unit4 SFP.doc

Chairman,

(b)(5)

Thanks,

Jennifer

(b)(5)

From: Peko, Damian <Damian.Peko@Nuclear.Energy.gov>
Sent: Monday, March 21, 2011 4:27 AM
To: 'Hoof, Cynthia'
Cc: Monninger, John; Nakanishi, Tony
Subject: RE: TEPCO meeting at the US Embassy Monday.

Thanks Cynthia

-----Original Message-----

From: Hoof, Cynthia [mailto:HoofC@state.gov]
Sent: Monday, March 21, 2011 4:22 AM
To: Peko, Damian
Cc: John.monninger@nrc.gov; tony.nakanishi@nrc.gov
Subject: RE: TEPCO meeting at the US Embassy Monday.

I added them to our access system. As you didn't email car details I will assume they are walking in.

This email is UNCLASSIFIED

Cynthia Hoof
RSO OMS
U.S. Embassy Tokyo
Tel: +81-3-3224-5583

-----Original Message-----

From: Peko, Damian [mailto:Damian.Peko@Nuclear.Energy.gov]
Sent: Monday, March 21, 2011 5:04 PM
To: Hoof, Cynthia
Cc: 'John.monninger@nrc.gov'; 'tony.nakanishi@nrc.gov'
Subject: RE: TEPCO meeting at the US Embassy Monday.

Cynthia

Could you please put the guys below in the VAA system for a meeting Monday morning.

Thanks

Damian

-----Original Message-----

From: 川野 晃 [mailto:kawano.akira@tepcoco.jp]
Sent: Monday, March 21, 2011 4:00 AM
To: Peko, Damian
Cc: 'hoofc@state.gov'; 'John.monninger@nrc.gov'; 'tony.nakanishi@nrc.gov'; satoh.takashi@tepcoco.jp
Subject: Re: TEPCO meeting at the US Embassy Monday.

Dear Mr.Damian Peko,

Thank you for all of your arrangement for tomorrow meeting.
I also appreciate for the Embassy of the U.S.A providing the convenience to use oversea telephone system.

Our participants for the meeting are as follows:

Toshihiro Bannai, NISA
Norihiisa Yuuki, NISA
Syunichi Suzuki, TEPCO
junichi Hakii, TEPCO
Takashi Satoh, TEPCO
Akira Kawano, TEPCO

Warmest regards,

Akira Kawano
TEPCO

On Mon, 21 Mar 2011 03:25:36 -0400
"Peko, Damian" <Damian.Peko@Nuclear.Energy.gov> wrote:

> Dear Kawano-san
>
> I a sending you this email so you have the address to send the names of he NISA and TEPCO people who will be a the
meeting we scheduled for 10:00 tomorrow. Please reply to this email with the names of the participants for this
meeting.
>
> Best Regards
>
> Damian Peko

東京電力（株）
福島第一原子力発電所
第二保全部

川野 晃

電話：0240-32-2486（ダイヤルイン）
電子メール：kawano.akira@tepcoco.jp

Akira Kawano
Maintenance Director
Fukushima Daiichi Nuclear Power Station Tokyo Electric Power Company

Phone:+81-240-32-2486
Fax.:+81-240-32-3881
E-mail:kawano.akira@tepcoco.jp
URL:<http://www.tepcoco.jp/fukushima1-np/index-j.html>

From: Peko, Damian <Damian.Peko@Nuclear.Energy.gov>
Sent: Monday, March 21, 2011 4:26 AM
To: '?? ?'
Cc: 'hoofc@state.gov'; Monninger, John; Nakanishi, Tony; satoh.takashi@tepcoco.jp
Subject: RE: TEPCO meeting at the US Embassy Monday.

Dear Kawano-san

The names have been input into our visitor access system. Please note that you cannot bring a car into the Embassy compound unless it is cleared ahead of time. So if you want to drive in to the embassy, you need to send the license plate and the make of the car and the name of the driver. If you take a taxi, no information will be needed.

Best Regards

Damian Peko

-----Original Message-----

From: 川野 晃 [mailto:kawano.akira@tepcoco.jp]
Sent: Monday, March 21, 2011 4:00 AM
To: Peko, Damian
Cc: 'hoofc@state.gov'; 'John.monninger@nrc.gov'; 'tony.nakanishi@nrc.gov'; satoh.takashi@tepcoco.jp
Subject: Re: TEPCO meeting at the US Embassy Monday.

Dear Mr.Damian Peko,

Thank you for all of your arrangement for tomorrow meeting.
I also appreciate for the Embassy of the U.S.A providing the convenience to use overseas telephone system.

Our participants for the meeting are as follows:

Toshihiro Bannai, NISA
Norihisa Yuuki, NISA
Syunichi Suzuki, TEPCO
Junichi Hakii, TEPCO
Takashi Satoh, TEPCO
Akira Kawano, TEPCO

Warmest regards,

Akira Kawano
TEPCO

On Mon, 21 Mar 2011 03:25:36 -0400
"Peko, Damian" <Damian.Peko@Nuclear.Energy.gov> wrote:

> Dear Kawano-san
>

> I am sending you this email so you have the address to send the names of the NISA and TEPCO people who will be at the meeting we scheduled for 10:00 tomorrow. Please reply to this email with the names of the participants for this meeting.

>

> Best Regards

>

> Damian Peko

東京電力（株）
福島第一原子力発電所
第二保全部

川野 晃

電話：0240-32-2486（ダイヤルイン）
電子メール：kawano.akira@tepcoco.jp

Akira Kawano
Maintenance Director
Fukushima Daiichi Nuclear Power Station Tokyo Electric Power Company

Phone: +81-240-32-2486
Fax: +81-240-32-3881
E-mail: kawano.akira@tepcoco.jp
URL: <http://www.tepcoco.jp/fukushima1-np/index-j.html>

From: Mercer, Robert LCDR USN USFJ J3 (b)(6) on behalf of USFJ-CAT-RCMT (b)(6)
Sent: Monday, March 21, 2011 2:38 AM
To: RST01 Hoc; USFJ-CAT-RCMT
Cc: Devercelly, Richard; Foggie, Kirk; Monninger, John; Smith, Brooke
Subject: RE: Boric Acid Addition

(b)(5)

Thanks
LCDR Rob Mercer

-----Original Message-----

From: RST01 Hoc [mailto:RST01.Hoc@nrc.gov]
Sent: Monday, March 21, 2011 10:51 AM
To: USFJ-CAT-RCMT
Cc: Devercelly, Richard; Foggie, Kirk; Monninger, John; Smith, Brooke
Subject: RE: Boric Acid Addition

LCDR Mercer,

(b)(5)

Please contact us if there are further questions in this area.

Thanks.
NRC Reactor Safety Team
301-816-5100

-----Original Message-----

From: Mercer, Robert LCDR USN USFJ J3 [mailto:(b)(6)] On Behalf Of USFJ-CAT-RCMT
Sent: Sunday, March 20, 2011 8:03 PM
To: RST01 Hoc; USFJ-CAT-RCMT
Cc: Devercelly, Richard; Foggie, Kirk; Monninger, John; Smith, Brooke
Subject: RE: Boric Acid Addition

Good evening,

I appreciate your assistance on this material. We have been asked to provide this on the mil to mil side since the Japanese Self Defense Force is overall in charge now.

Thanks again

Sincerely,
LCDR Rob Mercer

-----Original Message-----

From: RST01 Hoc [mailto:RST01.Hoc@nrc.gov]
Sent: Monday, March 21, 2011 3:41 AM
To: USFJ-CAT-RCMT
Cc: Devercelly, Richard; Foggie, Kirk; Monninger, John; Smith, Brooke
Subject: RE: Boric Acid Addition

We have answered this question before, we will need to find the response, we will get the answer to you.

NRC HOC RST Coordinator

-----Original Message-----

From: Opfer, Matthew D LT USN USFJ J3 [mailto:] (b)(6) On Behalf Of USFJ-CAT-RCMT
Sent: Sunday, March 20, 2011 1:44 PM
To: RST01 Hoc
Subject: Boric Acid Addition

The Ministry of Defense is seeking guidance on Boric Acid addition to the Reactors. They are looking for recommended concentrations and addition techniques given the current circumstances, preferably a point paper or reference that we can provide to them. Please provide your input.

Thanks

From: 川野 晃 <kawano.akira@tepcoco.jp>
Sent: Monday, March 21, 2011 2:26 AM
To: Monninger, John
Subject: salt issue

Mr. John Monninger,

We understood that our preliminary analysis on salt influence against heat removal function of fuel has been done. If your experts on salt issue are available either in the morning or in the afternoon tomorrow, I would like you to arrange the meeting with them by using overseas telephone system.

The problem is that our overseas telephone system did not work yesterday. Is it possible to use the same system that might be installed at your embassy?

I would be grateful if I could have your reply soon.

I will try to make contact with you on the phone in parallel.

Regards,

Akira Kawano
TEPCO

Tel : 090-5345-6616
e-mail : kawano.akira@tepcoco.jp

From: Harris, Jeffrey W CIV PACOM, J4 <(b)(6)>
Sent: Monday, March 21, 2011 12:45 AM
To: Young, Joseph M; Grana, Brian T. Maj USMC; JapanEmbassy, TaskForce; (b)(6); Monninger, John
Cc: Cook, William; USFJ-CAT-J5; MDAO Org Box; Kubista, Theodore LTC USA MDAO; Collier, Andrew H. CDR USN MDAO; Tokyo PolMil Unit (b)(6); Bock,Yoni; Scanlon, Katherine A COL PACOM, J46; Pickett, Timothy LCDR PACOM, J46; Cote, Benjamin F LCDR USN USFJ J52 (b)(6); Frey, Tom; Bock,Yoni; Nylin, John D; Roark, Thomas E CIV J45
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Joe,

(b)(5)

Talk to you tomorrow.

Thanks

Jeff

Jeffrey W. Harris
PACOM Humanitarian Assistance Program Manager
Commercial: (808) 477-7669; DSN: (315) 477-7669
Fax: (808) 477-0944; DSN: (315) 477-0944
Email: (b)(6)
SIPRNET: (b)(6)

-----Original Message-----

From: Young, Joseph M [mailto:YoungJM@state.gov]
Sent: Sunday, March 20, 2011 18:41
To: Grana, Brian T. Maj USMC; JapanEmbassy, TaskForce; (b)(6); john.monninger@nrc.gov
Cc: william.cook@nrc.gov; USFJ-CAT-J5; MDAO Org Box; Kubista, Theodore LTC USA MDAO; Collier, Andrew H. CDR USN MDAO; Tokyo PolMil Unit; (b)(6); Bock,Yoni; Scanlon, Katherine A COL PACOM, J46; Pickett, Timothy LCDR PACOM, J46; Cote, Benjamin F LCDR USN USFJ J52; Harris, Jeffrey W CIV PACOM, J4; (b)(6); Frey, Tom; Bock,Yoni; Nylin, John D
Subject: RE: Embassy Rep to sign for Bechtel Equipment

(b)(5)

If there are individuals who should receive this message whom I have not included on the cc line, please forward as appropriate.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Grana, Brian T. Maj USMC [mailto:(b)(6)]
Sent: Sunday, March 20, 2011 10:39 PM
To: Young, Joseph M
Cc: william.cook@nrc.gov; USFJ-CAT-J5; MDAO Org Box; Kubista, Theodore LTC USA MDAO; Collier, Andrew H. CDR USN MDAO; Tokyo PolMil Unit (b)(6); Bock, Yoni; Scanlon, Katherine A COL PACOM, J46; Pickett, Timothy LCDRPACOM, J46; Cote, Benjamin F LCDR USN USFJ J52; Harris, Jeffrey W LTC PACOM, J4;
(b)(6); Frey, Tom; Bock, Yoni
Subject: RE: Embassy Rep to sign for Bechtel Equipment

Sir,

Federal Acquisition Regulations require a Government representative for inspection and acceptance of items on behalf of the Government in order to work towards completion of the contracting process. Once the equipment is "signed for" the vendor can receive payment.

Typically, this is a representative from the requesting unit/organization. The best I can glean from the myriad e-mails and correspondence from multiple stakeholders is the NRC was the originating organization for this requirement and are obviously the best equipped to perform the inspection and acceptance of the equipment. This is what I would recommend.

(b)(5)

Very Respectfully,

Major B. T. Grana
Marine
PACOM J4 LNO to USFJ

-----Original Message-----

From: Cote, Benjamin F LCDR USN USFJ J52
Sent: Sunday, March 20, 2011 10:00 PM
To: Grana, Brian T. Maj USMC
Cc: Young, Joseph ChiefPolMil AMEMB JP; 'william.cook@nrc.gov'; USFJ-CAT-J5; MDAO Org Box; Kubista, Theodore LTC USA MDAO; Collier, Andrew H. CDR USN MDAO; 'Tokyo PolMil Unit'
Subject: Embassy Rep to sign for Bechtel Equipment

Brian,

I received a phone call from Mr. Joe Young (Embassy Pol-Mil Chief) in reference to the NRC-MOD Meeting held earlier this evening. He would like to know the procedures involving an Embassy Rep signing for the Bechtel equipment that is scheduled to arrive in Yokota from Australia tomorrow, since he was not familiar with this requirement/process. Could you please respond to all - thank you.

V/r,

Ben

Benjamin Cote, LCDR, USN

Bilateral Plans Officer (J-52)

United States Forces Japan

DSN: 225-6914

(b)(6)

From: Maund, Terrance P. (INPO) <MaundTR@inpo.org> on behalf of INPOERCAssistance <INPOERCAssistance@inpo.org>
Sent: Sunday, March 20, 2011 11:18 PM
To: Devercelly, Richard; Monninger, John
Cc: (b)(6)
Subject: request for radiation monitors and other materials

Rick and John we put together at INPO the below list of potential materials for TEPCO based on what we thought would be needed. (we do not know any specifics from TEPCO on their needs). We have the Supply Chain experts for the utilities working on verifying with suppliers what specific monitors are available. We are also canvassing the industry to see what spare monitors the utilities can offer. We will have more specific information, (make, model, range etc..) for you to communicate to TEPCO as we obtain it. I will forward the information to all. We are communicating with FLUKE, a major supplier of rad monitors for inventory and specifications tonight. Please see if TEPCO can use the other materials, and if the amounts are too much or not enough, we are also working on obtaining the Respirators, ANTI-C clothing and KI pills.

Here is our estimated likely needs for equipment. The specifics equipment and estimates were assembled by our RP support team.

Radiation Monitors, Survey Meters, Friskers

- 500 Friskers with HP-210 / 44-9 probes
- 500 replacement frisker detectors (15.5 cm² G-M tubes)
- 200 Ion Chambers with open/close window capability
- 100 instruments with nuclide identification capability – e.g., PDS-ID by Merion

Anti-C clothing

- 100,000 Disposable Tyveks coveralls (various sizes, but average worker slightly smaller than US worker)
- 20,000 Disposable, breathable rain suits
- 200,000 disposable sets of paper and rubber show covers
- 400,000 pairs of disposable latex heavy duty gloves
- 200,000 pair of cotton glove liners
- 120,000 Disposable hoods

Respirator masks and filters

- 5,000 full face mask respirators
- 50,000 particulate / iodine cartridges

Potassium Iodine tablets

- Unknown quantity at this time, but likely above 1,000,000

Thanks ,

Terry Maund INPO Assistance
770-644-8118

.DISCLAIMER:

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Thank you.

From: Rivera, Marco <mrivera@ofda.gov>
Sent: Sunday, March 20, 2011 10:40 PM
To: DART_PACTSU
Subject: Removed from list

FYI, these people have been removed from the DART distro list

Sarah Potts
Dewey Perks
Travis Betz
Timothy Kolb (NRC)

From: Young, Joseph M <YoungJM@state.gov>
Sent: Sunday, March 20, 2011 9:53 PM
To: Woodward, Aleisha; zTask Force 1 Mailbox; Bleich, Jeffrey L; Hyland, Jason P
Cc: Stockton, Richard C; Luke, Robert S; Marut, Christopher J; (b)(6);
(b)(6);
(b)(6); Weaver, George S.TSgt USAF; Kindberg, Scott B MAJ USA
USFJ J4; USFJ-CAT-J4; USFJ-CAT-AIR; USFJ-CAT-J5; Luke, Robert S; Cook, William;
Monninger, John
Subject: RE: mechanical problems bring RAAF Pearce to standstill

Aleisha: We're working on that today. Will forward the names as soon as we have them.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Woodward, Aleisha
Sent: Monday, March 21, 2011 10:51 AM
To: Young, Joseph M; zTask Force 1 Mailbox; Bleich, Jeffrey L; Hyland, Jason P
Cc: Stockton, Richard C; Luke, Robert S; Marut, Christopher J; (b)(6);
(b)(6); Weaver, George S.TSgt USAF;
'Kindberg, Scott B MAJ USA USFJ J4'; 'USFJ-CAT-J4'; 'USFJ-CAT-AIR'; 'USFJ-CAT-J5'; Luke, Robert S; 'william.cook@nrc.gov';
'john.monninger@nrc.gov'
Subject: RE: mechanical problems bring RAAF Pearce to standstill

Joe - That is correct. I've confirmed with the senior technician, Mark Legemann, who will be lead of the three techs traveling to Tokyo, that all the equipment on both planes must be on site in order to build the first train.

Mark has asked for contact information for the folks they'll be working with in Japan. Would you be able to send that to me and I'll pass it on?

Cheers.
aleisha

This email is UNCLASSIFIED-----Original Message-----

From: Young, Joseph M
Sent: Monday, March 21, 2011 9:32 AM
To: Woodward, Aleisha; zTask Force 1 Mailbox; Bleich, Jeffrey L; Hyland, Jason P
Cc: Stockton, Richard C; Luke, Robert S; Marut, Christopher J; (b)(6);
(b)(6); 'Weaver, George S.TSgt USAF';
'Kindberg, Scott B MAJ USA USFJ J4'; 'USFJ-CAT-J4'; 'USFJ-CAT-AIR'; 'USFJ-CAT-J5'; Luke, Robert S; 'william.cook@nrc.gov';
'john.monninger@nrc.gov'
Subject: RE: mechanical problems bring RAAF Pearce to standstill

Thanks for the update, Aleisha. Would you be able to confirm with the Bechtel reps there that the first "train" could not be built without the equipment in both flights? That had been my understanding. The answer would help to determine when we actually bring the TEPCO reps out to Yokota to discuss the system.

Joe Young
Political-Military Unit Chief
U.S. Embassy, Tokyo
03-3224-5338

-----Original Message-----

From: Woodward, Aleisha

Sent: Monday, March 21, 2011 10:18 AM

To: zTask Force 1 Mailbox; Bleich, Jeffrey L; Hyland, Jason P; Young, Joseph M

Cc: Stockton, Richard C; Luke, Robert S; Marut, Christopher J;

(b)(6)

(b)(6)

; 'Weaver, George S. TSgt USAF';

'Kindberg, Scott B MAJ USA USFJ J4'; 'USFJ-CAT-J4'; 'USFJ-CAT-AIR'; 'USFJ-CAT-J5'

Subject: mechanical problems bring RAAF Pearce to standstill

The latest on the Bechtel equipment going from Perth Australia:

C-17 #1 – The part has been requested from Queensland and there is some hope it will arrive today, although no estimate is available yet. They did explore cannibalizing the part from the second C-17 on the tarmac but evidently this is not possible. The cargo is all loaded and secured in the plane. As soon as the mechanical issue is resolved the plane can depart.

C-17 #2 – The plane is full of other cargo which must be off-loaded before the Bechtel equipment can be loaded. Unfortunately a machine vital to the loading/unloading process has broken down. (It broke down yesterday and they were able to fix it, but it broke again this morning. It is sufficiently broken that it has been towed it away to the workshop.) Until this is fixed, everything is at a standstill.

Aleisha Woodward | Consul General | U.S. Consulate General Perth
16 St Georges Terrace, Level 13 | Perth WA 6000 | tel: 08 9202 1224 x250

This email is UNCLASSIFIED

From: Smith, Brooke
Sent: Sunday, March 20, 2011 7:54 PM
To: LIA02 Hoc; Monninger, John; Casto, Chuck; Trapp, James; Foggie, Kirk
Subject: Re: USAID call

(b)(5)

Sent from an NRC Blackberry.
Brooke G. Smith

(b)(6)

----- Original Message -----

From: LIA02 Hoc
To: (b)(6); Trapp, James; Casto, Chuck
Cc: Smith, Brooke; Foggie, Kirk
Sent: Sun Mar 20 19:45:34 2011
Subject: FW: USAID call

(b)(5)

Thanks,
Eric

-----Original Message-----

From: Batkin, Joshua
Sent: Sunday, March 20, 2011 7:27 PM
To: Weber, Michael; Virgilio, Martin; HOO Hoc
Subject: USAID call

(b)(5)

Joshua C. Batkin
Chief of Staff
Chairman Gregory B. Jaczko
(301) 415-1820

From: RMTPACTSU_AC <RMTPACTSU_AC@ofda.gov>
Sent: Sunday, March 20, 2011 6:55 PM
To: RMT_PACTSU; DART_PACTSU
Subject: DART Deployment Schedule 3.20.11
Attachments: DART Deployment Schedule 03.20.11.xls

Hi Everyone,

Attached is the DART Deployment Schedule for 3.20.11. Please let Surin McKenna who will be the new AC beginning tomorrow morning if there are any questions or concerns. (Note: I have highlighted team members who are currently en route.)

Regards,

Ron Mortensen
Acting AC for today only....

Pacific Tsunami DART

10/22/2012 23:04

Departure
times are
local Arrival times are local

DART	Name	Current Location	Departure	Arrival	NOTES
Team Leader	Bill Berger	Tokyo, Japan		BMI 0771 @1610	
Admin Coordinator	Sarah Potts	Back in U.S.		Missawa @1522	w/LA USAR
Admin Coordinator	Natalya Johnson	En Route to Japan	3/20/11 at 13:20 UA 0897	Narita 3/21/11 at 4:35 P.M. UA0897	
Communications Officer	Marco Rivera	Tokyo, Japan		KE701 @1125 a.m. Narita	
Information Officer	Erin Magee	Tokyo, Japan		GA 884 @0900	
Deputy Team Leader	Courtney Brown	Tokyo, Japan		TG 676 @1600	
Field Officer	Amy Sink	Tokyo, Japan		AA5835 @1605	
Military Liaison Officer	Yoni Bock	Tokyo, Japan		TK 0050 @1230	
Logistics Officer	Travis Betz	Back in U.S.		QF 0021 @0605	
Operations Coordinator	Dewey Perks	Back in U.S.		Missawa @1522	w/LA USAR
Deputy Team Leader for Tech Team and SSO	Joe Hughart	Tokyo, Japan		UA 0881 @1725	
DOE Liaison	Alan Remick	Tokyo, Japan		UA 0897 @1635	
NRC Liaison	Anthony Ulises	Tokyo, Japan		Missawa @1522	
NRC Liaison	James Trapp	Tokyo, Japan		UA 9681 @2225	
Press Officer	Dave Stone	Back in U.S.		Missawa @1522	
NRC Emergency Coordinator	Chuck Casto	Tokyo, Japan		AA 0175 @1330	Narita
NRC Officer	Brooke Smith	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Richard Devercelly	Tokyo, Japan		DL 0275 @1615	Narita
NRC Officer	Tim Kolb	Back in U.S.		BA 0005 @0910	Narita
NRC Officer	John Monninger	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Tony Nakanishi	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Jack Foster	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	William Cook	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Kirk Foggie	Tokyo, Japan		BA 0005 @0910	Narita
Military Liaison Officer	Thomas Frey	Yokota AFB, Japan		UNITED837 @1540	Narita
SSO	Bill Laspina	Tokyo, Japan	UA 6398 3/17 @0806	UA 0837 @1540 on 3/18	Narita

NRC Officer	Daniel Dorman	En Route to Japan	UA 0897 3/19@1322	UA 0897 3/20 @1635	Narita
Branch Chief for HHS Team	Chris Howard	Washington, DC	on hold	Delta 0173 @1700	Narita
HHS Officer	Charles Miller	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	Jana Telfer	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	James Schwendinger	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	Oscar Tarrago	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	Dr. Bader	IAD	on hold	United 0837 @1540	Narita
HHS Officer	Dr. Coleman	IAD	on hold	United 0837 @1540	Narita
Daily TOTAL					

Other					
OFDA Director	Mark Bartolini	Tokyo, Japan	UA 0897 3/19@1322	UA 0897 3/20 @1635	Narita
Press Officer	Rebecca Gustafson	Tokyo, Japan	UA 0897 3/19@1322	UA 0897 3/20 @1635	Narita
TOTAL					

TOTAL Assessment & Other Support

Additional Regional Travler

10/22/2012 23:04

Traveler	Name	Arrival - Tunisia	Arrival - Egypt	Return	Total Days				
						Mo	Tu	We	Th
						7	8	9	10
DCHA AA	Nancy Lindborg	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/13/2011	2		A	x	
State/PRM A/S	Eric Schwartz	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/12/2011	2		A	x	
State/PRM Staff Assistant	Lauren Diekman	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/12/2011	2		A	x	
Daily TOTAL						0	3	3	0

March

<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

From: RMTPACTSU_DMO <RMTPACTSU_DMO@ofda.gov>
Sent: Sunday, March 20, 2011 6:41 PM
To: DART_PACTSU; Bartolini, Mark (DCHA/OFDA) [USAID]
Cc: RMT_PACTSU
Subject: Amb Roos request for (b)(5)

Dear DART,

(b)(5)

We will keep tracking this on our end.

Chris Leonardo

From: Petrovich, Peggy L
Sent: Sunday, March 20, 2011 3:40 PM
To: zTask Force 1 Mailbox; EAP-FO-Office-DL; Stanton, Karen C; JapanEmbassy, TaskForce; SES-O; Moy, Kin W; Bernier-Toth, Michelle; Kam, Geraldine L
Subject: RE: Amb Roos request for (b)(5)

All,

(b)(5)

Regards,
Peggy
Peggy Petrovich
Special Assistant
Under Secretary for Management
202-647-0728

From: CMS TaskForce1Q On Behalf Of zTask Force 1 Mailbox
Sent: Sunday, March 20, 2011 1:48 PM
To: EAP-FO-Office-DL; Stanton, Karen C; JapanEmbassy, TaskForce; SES-O; Petrovich, Peggy L; Moy, Kin W; Bernier-Toth, Michelle; Kam, Geraldine L
Cc: zTask Force 1 Mailbox
Subject: RE: Amb Roos request (b)(5)

EAP Team,

(b)(5)

Respectfully,

Siyoun Lee
DOS/FCM
TF-1

(b)(5)

Respectfully,

David A. Dolinsky, CPA
Deputy Director for Administration and Finance Operations ASPR / Office of Financial Planning
and Analysis U.S Department of Health and Human Services 200 Independence Avenue, SW - Room
638G
Washington, DC 20201
202-205-0499 (office)
david.dolinsky@hhs.gov

A+F delivers value by providing Stafford Act expertise, financial tracking, and emergency
administrative functions that directly support HHS responders and stakeholders.

-----Original Message-----

From: RMTFACTSU_DMO [mailto:RMTFACTSU_DMO@ofda.gov]

Sent: Sunday, March 20, 2011 11:25 AM

To: Task Force 1

Cc: RMTFACTSU_HHS; Howard, Christopher (DCHA\OFDA) [USAID]; Dolinsky, David (HHS/ASPR/OFPA);
Cohen, Harold(GC/DCHA) [USAID]; Cohen, Hal; RMTFACTSU_STATE; Hughart, Joe; Hughart, Joseph
(PSC); RMTFACTSU_RM; Chan, Carol(DCHA/OFDA) [USAID]

Subject: Taskforce 1 coordinator: Action request RE: Ambassador's Urgent Request for HHS

(b)(5)

(b)(5)

POC at HHS, David A. Dolinsky, CPA
Deputy Director for Administration and Finance Operations ASPR / Office of Financial Planning
and Analysis U.S Department of Health and Human Services
202-205-0499 (office)
david.dolinsky@hhs.gov

Please let us know if you have any questions.

Chris Leonardo
Deputy Manager for Operations
Pacific Tsunami Response Management Team RMTPACTSU.DMO@ofda.gov
202-712-0039

From: CMS TaskForce1C - Coordinator **On Behalf Of** zTask Force 1 Mailbox
Sent: Sunday, March 20, 2011 1:25 PM
To: CMS TaskForce1Q; EAP-FO-Office-DL; Stanton, Karen C; JapanEmbassy, TaskForce
Cc: zTask Force 1 Mailbox; SES-O; Petrovich, Peggy L
Subject: RE: Amb Roos request for (b)(5)

+ SES-O and M Staff/Peggy Petrovich

From: CMS TaskForce1Q
Sent: Sunday, March 20, 2011 1:18 PM
To: EAP-FO-Office-DL; Stanton, Karen C; JapanEmbassy, TaskForce
Cc: zTask Force 1 Mailbox
Subject: Amb Roos request for (b)(5)

EAP Team,

(b)(5)

+1

(b)(5)

Thank you,

Siyoun Lee
DOS/FCM
TF-1

From: LIA07 Hoc
Sent: Sunday, March 20, 2011 5:57 PM
To: Liaison Japan
Subject: USNRC Earthquake-Tsunami Update 03.20.11 - 1800 EDT
Attachments: USNRC Earthquake-Tsunami Update.032011.1800EDT.docx

Attached, please find the **1800 EDT March 20, 2011** status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

- Caroline

Caroline Nguyen
Office of Nuclear Reactor Regulation
US Nuclear Regulatory Commission
Caroline.Nguyen@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: RMTFACTSU_RM <RMTFACTSU_RM@ofda.gov>
Sent: Sunday, March 20, 2011 2:50 PM
To: RMT_FACTSU; DART_FACTSU
Cc: Cohen, Harold(GC/DCHA) [USAID]
Subject: Freedom of Information Act

Dear Colleagues –

There are several new people on the team, so this is to remind/inform everyone that all communications from and between the RMT and DART are subject to the Freedom of Information Act. Emails can be made public if there is a FOIA request. Please remember this on your communications. It is not unusual for RMT/DART emails to be FOIA-ed after a disaster. If your email contains sensitive information, please mark **SBU** (sensitive but unclassified) in the subject line and in the body of the email. Marking SBU does not necessarily mean that it cannot be FOIA-ed, but it means that it will be reviewed more closely to see if it qualifies as an exception.

I'm no lawyer, so I've copied one (thanks Hal).

Gavi

*Gavrielle Rosenthal
Acting Response Manager
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtfactsu_rm@ofda.gov
202-712-0039*

From: RST01 Hoc
Sent: Sunday, March 20, 2011 2:36 PM
To: Devercelly, Richard; Monninger, John; Smith, Brooke; Foggie, Kirk
Subject: Boric Acid Addition Question

Are not questions from US parties in Japan supposed to come through the NRC site team?

Question from RST Director,
RST Coordinator

-----Original Message-----

From: Opfer, Matthew D LT USN USFJ J3 [mailto:Matthew.Opfer@usfj.mil] On Behalf Of USFJ-CAT-RCMT
Sent: Sunday, March 20, 2011 1:44 PM
To: RST01 Hoc
Subject: Boric Acid Addition

The Ministry of Defense is seeking guidance on Boric Acid addition to the Reactors. They are looking for recommended concentrations and addition techniques given the current circumstances, preferably a point paper or reference that we can provide to them. Please provide your input.

Thanks

From: RMTPACTSU_RM <RMTPACTSU_RM@ofda.gov>
Sent: Sunday, March 20, 2011 11:50 AM
To: RMT_PACTSU; DART_PACTSU
Subject: DART-RMT call cancellation

Dear DART and RMT,

Considering the flurry of commitments the DART has Monday morning, we are **cancelling the 7pm Sunday EDT/8am Monday JST call.**

Bill, CB, DMO, DMP and RM – let's check in later to see if a group call is necessary later on Monday JST (during the DC night shift).

Regular calls will resume Monday morning EDT/Monday evening JST

Gavi

Gavrielle Rosenthal
Acting Response Manager
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_rm@ofda.gov
202-712-0039

From: Foggie, Kirk
Sent: Sunday, March 20, 2011 9:18 AM
To: Liaison Japan
Cc: Dorman, Dan
Subject: Fw: For your reference
Attachments: 110317 福島第一地震発生後の時刻暦(ENG).xls; 2011_03_20_1230_Conditions of Fukushima-Dai-ichi NPS (Unit1-5)R3 ppt.ppt

All,

I received these presentation on the current status (7pm Sunday) of the plants from JNES. I can't read it on my bb, so I will print it tomorrow when I arrive.

Kirk
Sent from Blackberry.

----- Original Message -----

From: 中川|air <nakagawa@ruby.famille.ne.jp>
To: Foggie, Kirk
Sent: Sun Mar 20 07:55:07 2011
Subject: For your reference

Nakagawa

Chronology at Fukushima Daiichi Nuclear Power Station after onset of the Tohoku Great Earthquake				
	Unit 1	Unit 2	Unit 3	Unit 4
Friday, March 11	14:46 Due to the Miyagi Prefecture Offshore Earthquake, turbine and reactor were shut down automatically. Out of two lines of off-site power, one line was shut down due to failure, which caused the loss of off-site power, and the emergency diesel generator was started	14:46 Due to the Miyagi Prefecture Offshore Earthquake, turbine and reactor were shut down automatically. Out of two lines of off-site power, one line was shut down due to failure, which caused the loss of off-site power, and the emergency diesel generator was started	14:46 Due to the Miyagi Prefecture Offshore Earthquake, turbine and reactor were shut down automatically. Out of two lines of off-site power, one line was shut down due to failure, which caused the loss of off-site power, and the emergency diesel generator was started	14:46 Due to the Miyagi Prefecture Offshore Earthquake, turbine and reactor were shut down automatically. Out of two lines of off-site power, one line was shut down due to failure, which caused the loss of off-site power, and the emergency diesel generator was started
	15:23 Employees of Fukushima Daiichi Nuclear Power Station confirmed the first wave of tsunami.	15:23 Employees of Fukushima Daiichi Nuclear Power Station confirmed the first wave of tsunami.	15:23 Employees of Fukushima Daiichi Nuclear Power Station confirmed the first wave of tsunami.	15:23 Employees of Fukushima Daiichi Nuclear Power Station confirmed the first wave of tsunami.
	15:41 Emergency diesel generator failed. Loss of all AC power.	15:41 Emergency diesel generator failed. Loss of all AC power.	15:41 Emergency diesel generator failed. Loss of all AC power.	15:41 Emergency diesel generator failed. Loss of all AC power.
	15:42 Determined that a specific event pursuant to the provision of Item 1, Article 10 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred. The first emergency order was issued.	15:42 Determined that a specific event pursuant to the provision of Item 1, Article 10 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred. The first emergency order was issued.	15:42 Determined that a specific event pursuant to the provision of Item 1, Article 10 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred. The first emergency order was issued.	15:42 Determined that a specific event pursuant to the provision of Item 1, Article 10 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred. The first emergency order was issued.
	16:36 Determined, as a preemptive measure, that a specific event pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred because flow rate of the emergency core cooling system could not be confirmed.	16:36 Determined, as a preemptive measure, that a specific event pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred because flow rate of the emergency core cooling system could not be confirmed.		
	16:45 Unit 1 reactor water level monitoring function was recovered and the confirmation of flow rate of the emergency core cooling system was made possible, and therefore the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster			
	17:07 Monitoring function of reactor water level was lost again and being unable to confirm flow rate of the emergency core cooling system, a specific event pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster			
	18:14 (Approximately) A radiation monitoring van measured radioactive materials inside and outside power station site (outdoor areas) and confirmed that the levels were normal and no radiological consequence in the external areas at that point.	18:14 (Approximately) A radiation monitoring van measured radioactive materials inside and outside power station site (outdoor areas) and confirmed that the levels were normal and no radiological consequence in the external areas at that point.	18:14 (Approximately) A radiation monitoring van measured radioactive materials inside and outside power station site (outdoor areas) and confirmed that the levels were normal and no radiological consequence in the external areas at that point.	
	19:00			
	20:00			
	21:00			
	22:00	22:00 Reactor water level gauge regained its function and the reactor water level was confirmed to be TAF+3400mm.		
	23:00			
	0:00			
	1:00			
	2:00	02:30 Confirmed that D/W pressure had reached 840Kpa. (Maximum operating pressure is 427kPa). Reactor water level: Top of Active Fuel (hereinafter referred to as TAF) + 1300mm (Fuel region A) TAF+530mm (Fuel region B) 02:50 Reactor pressure: 0.8MPa Reactor water level: TAF+1300mm (Fuel region A), TAF+500mm (Fuel region B) D/W pressure: 0.84Mpa	02:50 Confirmed that Reactor Core Isolation Cooling system (hereinafter referred to as RCIC) was in operation. Reactor pressure: 5.6MPa RCIC discharge pressure: 6.0MPa Reactor water level: TAF+3,600mm	
	3:00			
	4:00			
	5:00	5:14 Determined that external leakage of radioactive materials was occurring based on the confirmation of rising radiation levels within the power plant site * and decreasing trend of D/W pressure (As of 5:09, the pressure dropped from 0.84MPa abs to 0.77Ma abs). * Results of radioactive material measurements by the monitoring van in the vicinity of environmental monitoring area boundary: 0.07 μ SV/h ~ 1.59 μ SV/h (4:00 ~ 5:10) Vicinity of MP8: 0.07 μ SV/h ~ 0.57 μ SV/h (4:00 ~ 4:45) 5:55 Reactor water level: TAF+1300mm (Fuel region A), TAF+530mm (Fuel region B) Reactor pressure: 0.8MPa D/W pressure: Unavailable due to power loss attributable to closing of door of the main control room for raising its air tightness.		

6:00	<p>Reactor water level: TAF+1300mm(Fuel region A), TAF+530mm(Fuel region B) Reactor pressure: 0.8Mpa D/W pressure: 0.74Mpa</p> <p>6:30 Water of raw water tank was injected with a fire engine and 2000 liters was water was injected with diesel-driven fire pump (hereinafter referred to as D/D fire pump) via fire protection line.</p> <p>Reactor water level: TAF+1300mm(Fuel region A), TAF+550mm(Fuel region B) Reactor pressure: 0.8Mpa D/W pressure: 0.79Mpa</p> <p>6:47 Reactor water level: TAF+1200mm(Fuel region A), TAF+400mm(Fuel region B) Reactor pressure: 0.8Mpa D/W pressure: 0.77Mpa</p>			
7:00	<p>Reactor water level: TAF+800~1200mm(Fuel region A), TAF+300mm(Fuel Region: B) Reactor pressure: 0.8Mpa D/W pressure: Unavailable (due to removal of power)</p> <p>7:30 Reactor water level: TAF+100~+200mm (Fuel regions A and B) Reactor pressure: 0.8Mpa D/W pressure: 0.76Mpa abs</p> <p>7:55 Completed injection of 3,000L</p>			
8:00	<p>8:15 Completed injection of 4,000L 8:30 Completed injection of 5,000L</p>			
9:00	<p>9:04~ Initiated operation to depressurize reactor pressure vessel (Departure to the field). One TEPCO employee involved in the operation to open the MO valve to 25 % position received radiation dose exceeding 100 mSv (106.30mSv). 9:15 Completed injection of 6,000L 9:40 Completed injection of 21,000L</p>			
10:00	<p>10:17 Valve on the SIC chamber side was remotely operated, and it was recognized that depressurization operation of reactor containment vessel had been started, based on the data from monitoring posts and other sources.</p>			
11:00				
12:00				
13:00				
14:00	<p>14:30 Installed a temporary air compressor at around 14:00 and confirmed reduction of D/W pressure, and therefore determined "release of radioactive materials." (Initiation of depressurization operation) 14:41 D/W pressure: 0.610MPa 14:50 D/W pressure: 0.58MPa 14:53 Completed injection of 8,000L</p>			
15:00	<p>15:14 D/W pressure: 0.530MPa 15:36 Large tremor of near field type occurred and a large bang occurred in the vicinity of Unit 1, generating white smoke. 15:40 Confirmed rising smoke in the vicinity of Unit 1. Also, the monitoring van confirmed 1,015 μ Sv/h (15.29) at MP-4. Two TEPCO employees and two contractor workers evacuated from the field. No internal records of contacting fire department, etc. were confirmed.</p>			
16:00	<p>16:17 Vicinity of MP-4: Radioactive materials such as iodine within the power station site measured by the monitoring van was rising, and therefore determined that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had</p>			
17:00				
18:00				
19:00				
20:00	<p>20:20 Initiated sea water injection into Unit 1 reactor using fire protection line.</p>			
21:00				
22:00				
23:00				
0:00				
1:00				

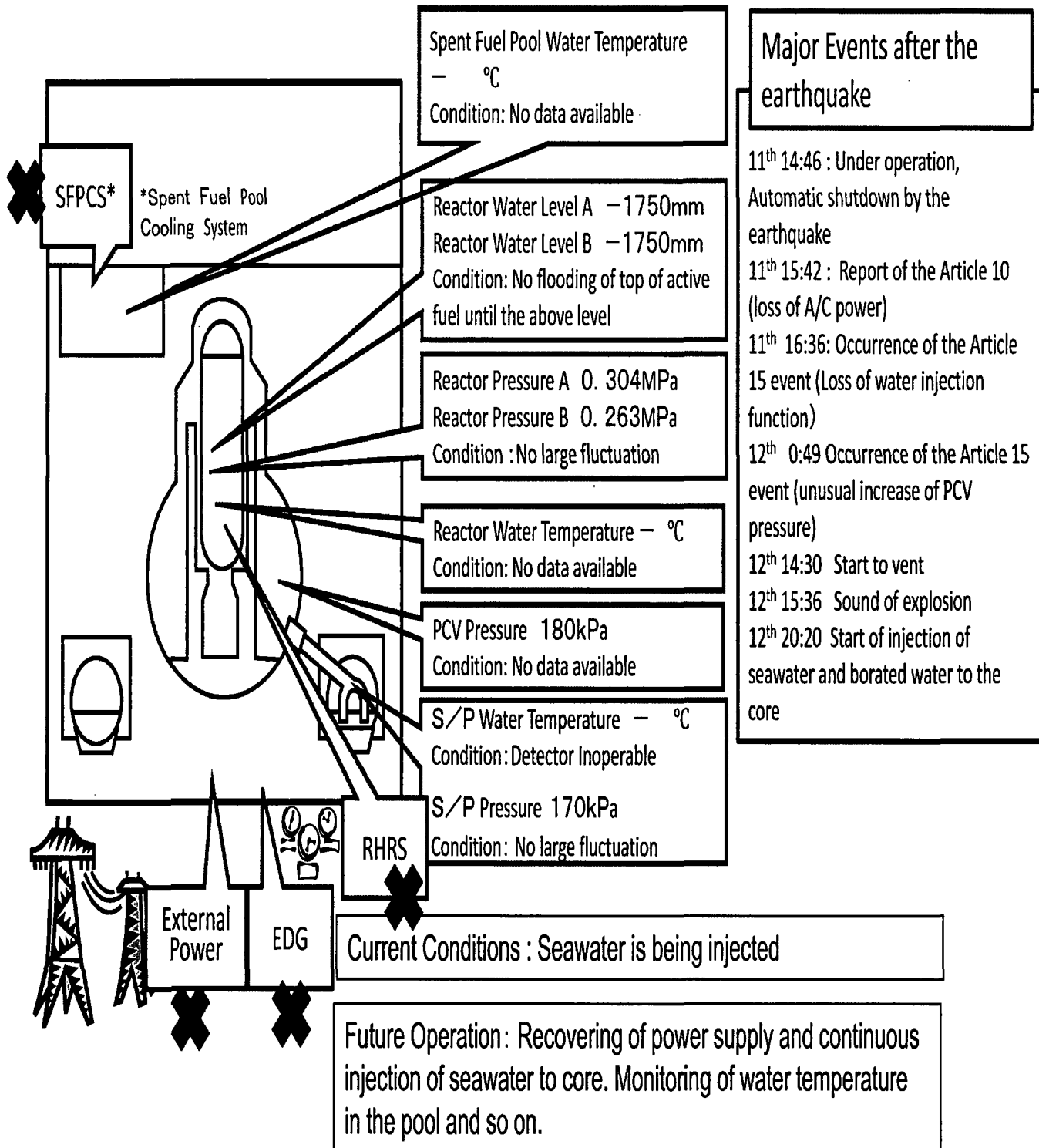
Sunday 13 March	2:00		02:44 High Pressure Core Injection system (hereinafter referred to as HPCI) was shut down Due to low reactor pressure Reactor Core Isolation Cooling system (hereinafter referred to as RCIC) did not operate. D/D fire protection pump (discharge pressure of 0.61MPa) was started but unable to inject. Reactor pressure: 0.58MPa Reactor water level: Unavailable due to loss of instrumentation power	
	3:00		03:44 Reactor pressure: 4.1MPa	
	4:00		04:15 Reached TAF.	
	5:00		05:00 Reactor water level: TAF-2000mm (Fuel region) 05:10 Determined that reactor was in a state of "loss of cooling function," based on the failure of reactor water injection by RCIC.	
	6:00			
	7:00		07:39 Conducted containment vessel spray. 07:45 Reactor water level: TAF-3000mm (Fuel region) Reactor pressure: 7.31MPa D/W pressure: 460kPa abs S/P pressure: 440kPa abs	
	8:00	08:56 Vicinity of MP4: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.	08:41 Conducted operation to depressurize reactor containment vessel. 08:56 Confirmed 882 μ Sv/h (08:23) at MP4, and determined that "to which abnormal rise of radiation at site boundary" was applicable.	
	9:00		09:03 (Approximately) Conducted rapid depressurization by SR valve of Unit 3. Reactor water level: TAF+1800mm (Fuel region) Reactor pressure: 0.46MPa D/W pressure: 637kPa S/P pressure: 590kPa 09:20 Confirmed decreasing trend of D/W pressure. Initiated preparation for water injection into reactor by fire protection line.	
	10:00			
	11:00		11:25 D/D fire protection pump in operation.	
	12:00			
	13:00			
	14:00	14:15 Vicinity of MP4: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.	14:15 Confirmed 905 μ Sv/h (13:50) at MP4, and determined that "abnormal rise of radiation at site boundary" was applicable.	
	15:00			
	16:00			
	17:00			
	18:00		18:45 Seawater injection into reactor was in progress with temporary seawater injection pump connected to fire protection line. Reactor water level: TAF-1800mm (Fuel region) Reactor pressure: 0.25MPa D/W pressure: 420kPa abs	
	19:00			
	20:00			
	21:00			
	22:00		22:15 D/D fire protection pump was shut off. (Shut off before fuel run out.)	
	23:00		23:30 Reactor water level: TAF-1800mm (Fuel region) Reactor pressure: 0.066MPa D/W pressure: 250kPa abs	
	0:00			
	1:00		01:10 Sea water being injected into reactor was running out, so temporary seawater injection pump was shut down to replenish seawater in check valve pit.	
	2:00		02:30 Reactor water level: TAF-1800mm (Fuel region) Reactor pressure: 0.077MPa D/W pressure: 256kPa abs	
	3:00	03:50 Vicinity of MP6: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.	03:00 Reactor water level: TAF-2300mm (Fuel region) Reactor pressure: 0.134MP D/W pressure: 315kPa abs 03:20 Resumed seawater injection into Unit 3 reactor with temporary seawater injection pump.	

Monday March 14	4:00	04:15 Vicinity of MP2: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.		04:00 Reactor water level: TAF-2800mm (Fuel region) Reactor pressure: 0.159MPa D/W pressure: 340kPa abs	04:08 Spent fuel pool temperature: 84°C
	5:00			05:00 Reactor water level: TAF-2000mm (Fuel region) Reactor pressure: 0.181MPa D/W pressure: 365kPa abs	
	6:00			06:00 Reactor water level: TAF-2350mm (Fuel region) Reactor pressure: 0.181MPa D/W pressure: 425kPa abs	
	7:00			07:00 Reactor water level: Overscale Reactor pressure: 0.338MPa D/W pressure: 520kPa abs 07:44 Determined that "containment vessel pressure abnormal rise" had occurred due to D/W pressure of 460kPa. (Maximum operating pressure is 427kPa.) (06:10)	
	8:00			08:00 Reactor water level: TAF-1000mm (Fuel region) Reactor pressure: 0.31MPa D/W pressure: 500kPa abs	
	9:00	09:27 Vicinity of MP3: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.		09:05 Reactor water level: TAF-1500mm (Fuel region) Reactor pressure: 0.304MPa D/W pressure: 490kPa abs	
	10:00				
	11:00			11:01 Phenomenon seemingly an explosion occurred and white smoke was generated. 11:25 Reactor water level: TAF-1800mm (Fuel region) Reactor pressure: 0.191MPa D/W pressure: 360kPa abs No internal records of contacting fire department, etc. were confirmed. 11:43 Seemed that one person was injured and six were missing. Off-site center requested three ambulances.	
	12:00			12:15 Four TEPCO employees and two workers were injured. Seven Self Defense Force members were evacuated.	
	13:00		13:25 Determined that reactor was in a state of "loss of cooling function," based on the drop of reactor water level, possibly caused by loss of RCIC function. Reactor water level: TAF+3,400mm / 2,400mm (12:00) (13:24) 13:34 Conducted reactor depressurization operation and initiated seawater injection. Reactor water level: TAF±0mm (Fuel region) Reactor pressure: 6.998MPa D/W pressure: 0.42MPa abs		
	14:00				
	15:00		15:00 Reactor water level: TAF+1,200mm (Fuel region) Reactor pressure: 7.618~7.515MPa D/W pressure: 0.44MPa abs S/C pressure: Unavailable		
	16:00		16:00 Reactor water level: TAF+300mm (Fuel region) Reactor pressure: 7.448MPa D/W pressure: 0.42MPa abs S/C pressure: Unavailable 16:34 Conducted reactor depressurization operation and initiated seawater injection using fire protection line.		
	17:00		17:17 Reached TAF (Top of Active Fuel)		
	18:00		18:22 Reactor water level reached -3,700mm from TAF and determined that the entire fuel was exposed.		
	19:00		19:03 Reactor water level: Downscale Reactor pressure: 0.63MPa D/W pressure: 0.40MPa abs S/C pressure: Unavailable 19:57 Started the second fire pump and water injection into reactor was in progress.		
	20:00				

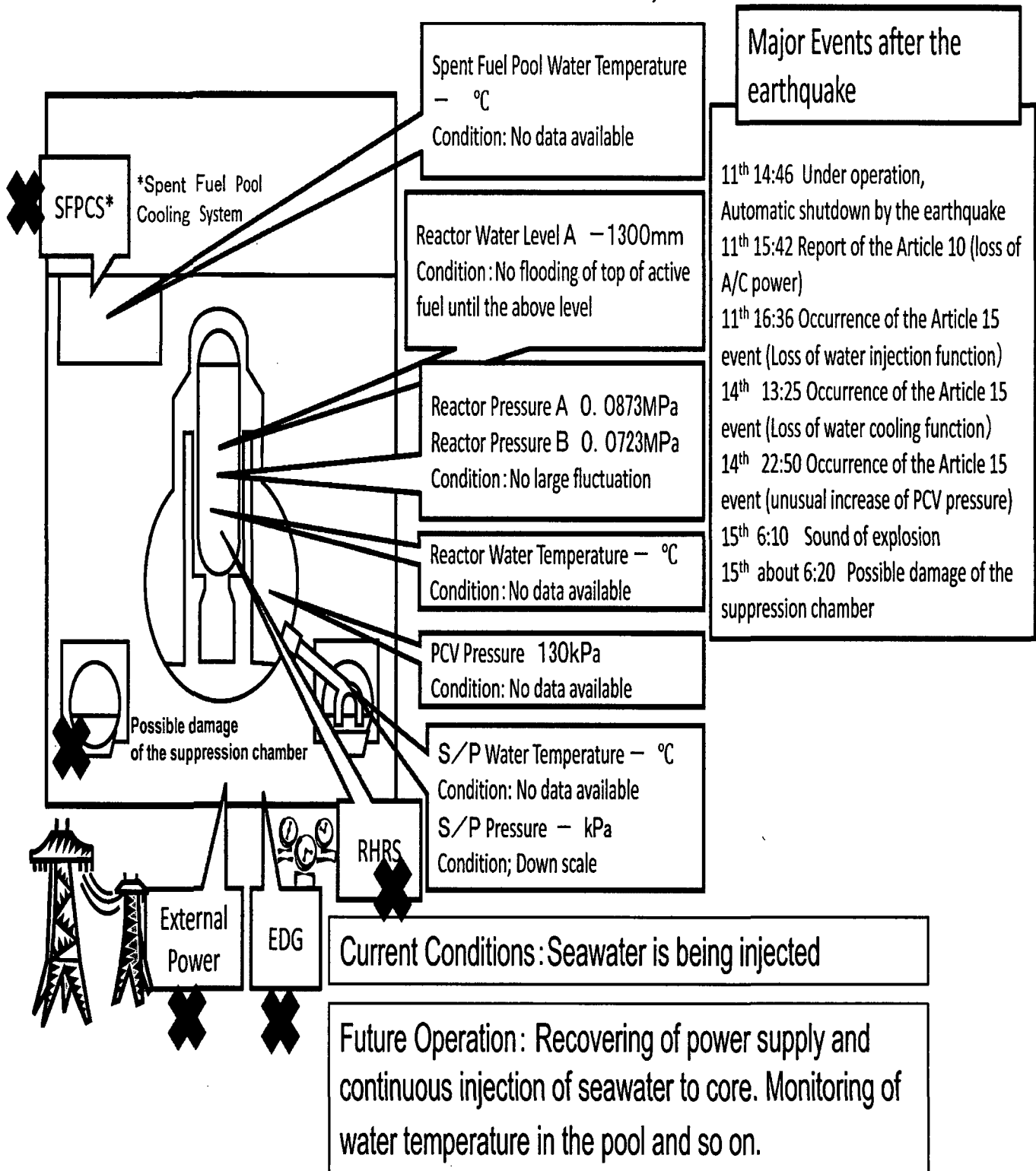
Tuesda y, March 15	21:00	21:37 Vicinity of power station main gate: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.	21:20 During seawater injection into reactor using fire protection line, closed two safety relief valves, and confirmed start of recovery of reactor water level. 21:30 Reactor water level: TAF-3000mm(Fuel region) Reactor pressure: 0.49MPa D/W pressure: 0.457MPa abs S/C pressure: Unavailable		
	22:00		22:23 Confirmed 3,170 μ Sv/h (21:37) in the vicinity of power station main gate, and determined that "to which abnormal rise of radiation at site boundary" was applicable. 22:40 Reactor water level: TAF-700mm(Fuel region) Reactor pressure: 0.428MPa D/W pressure: 0.428MPa abs S/C pressure: 0.35MPa abs 22:50 D/W pressure (540Pa) exceeded the maximum operating pressure of 427kPa, and determined that "abnormal pressure rise of containment vessel" had occurred.		
	23:00				
	0:00				
	1:00				
	2:00				
	3:00		03:00 Reactor water level: Downscale Reactor pressure: 0.653MPa D/W pressure: 0.75MPa abs S/C pressure: 0.33MPa abs		
	4:00				
	5:00		Reactor water level: Downscale Reactor pressure: 0.626MPa D/W pressure: 0.75MPa abs S/C pressure: 0.30MPa abs		
	6:00	06:51 Vicinity of power station main gate: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.	6:14 Large impact noises occurred. Transferred Fukushima Daiichi Emergency Headquarters to Fukushima Daiichi, and initiated evacuation. (About fifty members remained in the headquarters.) 6:20 Reactor water level: TAF-2,700mm(Fuel region) Reactor pressure: 0.612MPa D/W pressure: 0.73MPa abs S/C pressure: 0MPa abs 6:51 Confirmed 583.7 μ Sv/h (6:50) in the vicinity of power station main gate, and determined that "abnormal rise of radiation at site boundary" was applicable.	06:00~06:10 Confirmed steam was floating above the Unit 3 reactor building. 06:51	06:00~06:10 Large impact noises occurred. Discovered damage near ceiling of reactor building fifth floor. 06:50 Confirmed 583.7 μ Sv/h in the vicinity of power station main gate. Determined that "abnormal rise of radiation at site boundary" was applicable. 06:51
	7:00				
	8:00	08:11 Vicinity of power station main gate: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.	8:25 TEPCO employees confirmed white smoke (seemingly steam) from the wall in the vicinity of fifth floor of the reactor building.		08:11 Confirmed damage of reactor building. Determined that "abnormal release of radioactive materials" due to fire, explosion, etc. 08:20 Confirmed 807 μ Sv/h in the vicinity of power station main gate.
	9:00		9:40 Confirmed that amount of white smoke from the reactor building was increasing. No TEPCO internal records of contacting fire department, etc. were confirmed.		09:38 Confirmed breakout of fire in the vicinity of northwest corner of reactor building third floor... More information was being collected by the person who discovered fire. "Motor-driven reactor coolant recirculation unit (containing oil) is installed in the vicinity of northwest corner of reactor building third floor." 09:40 (Approximately) Fukushima Daiichi Nuclear Power Station requested public fire department for mobilization of fire fighters. Explanation by the management of Fukushima Daiichi Nuclear Power Station was asked, but Fukushima Daiichi was unable to give explanation due to on-going response to the fire in the field. Unable to contact Self-Defense Forces and JHS forces for
	10:00			10:00 (Approximately) Confirmed 400mSv/h inside land side of reactor building	10:00 (Approximately) Confirmed 100mSv/h inside land side of reactor building.
	11:00		11:25 Reactor water level: TAF-1,400mm(Fuel region) Reactor pressure: 0.315MPa D/W pressure: 0.155MPa abs S/C pressure: Downscale		11:00 (Approximately) TEPCO employees checked the situation of the reactor building fire in the field and confirmed that fire was naturally out. No flame or smoke was seen from the yard and therefore it was considered that fire had died down.)
	12:00				
	13:00				
	14:00				
	15:00				

Wednes day, March 16	16:00	16:17 Vicinity of power station main gate: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.	16:00 Confirmed 531.6 μ Sv/h in the vicinity of power station main gate, and determined that "abnormal rise of radiation at site boundary" was applicable.	16:00 Confirmed 531.6 μ Sv/h in the vicinity of power station main gate. Determined that "abnormal rise of radiation at site boundary" was applicable.
	17:00			
	18:00			
	19:00			
	20:00			
	21:00			
	22:00			
	23:00	23:35 Vicinity of power station main gate: Radioactive materials such as iodine within the power station site (outdoor areas) measured by the monitoring van were rising, and therefore determined, as follows, that a specific event (abnormal rise of radiation at site boundary) pursuant to the provision of Item 1, Article 15 of the Special Law of Emergency Preparedness for Nuclear Disaster had occurred.		
	0:00			
	1:00			
	2:00			
	3:00			
	4:00			
	5:00			05:45 TEPCO employees confirmed flame was coming out near northwest of reactor building fourth floor.
	6:00			06:20 Fukushima Daini Nuclear Power Station reported fire and requested public fire department for mobilization of fire fighters. Fire fighters were mobilized.
	7:00			
	8:00		08:30 (Approximately) Confirmed steam-like haze coming out of reactor building.	
	9:00			
	10:00			
	11:00			
	12:00			
	13:00			
	14:00			
	15:00			
	16:00			
	17:00			
	18:00			
	19:00			
	20:00			
	21:00			
	22:00			
	23:00			
	0:00			
Thursd ay, March 17	1:00			
	2:00			
	3:00			
	4:00			
	5:00			
	6:00		06:15 (Approximately) A quick report of temporary rise of pressure indication of pressure suppression pool was made.	
	7:00			
	8:00			
	9:00		09:48 Conducted watering from Self Defense Force helicopter.	
	10:00			
	11:00			
	12:00			
	13:00			
	14:00			
	15:00			
	16:00			
	17:00			
	18:00			
	19:00		Shortly after 19:00 Watering from riot police high pressure water gun truck and Self Defense Force fire engine was started, and finished	
	20:00			
	21:00			
	22:00			
	23:00			
	0:00			

Conditions of Fukushima Dai-ichi Nuclear Power Stations Unit 1 (As of 07:00 March 20th, 2011)

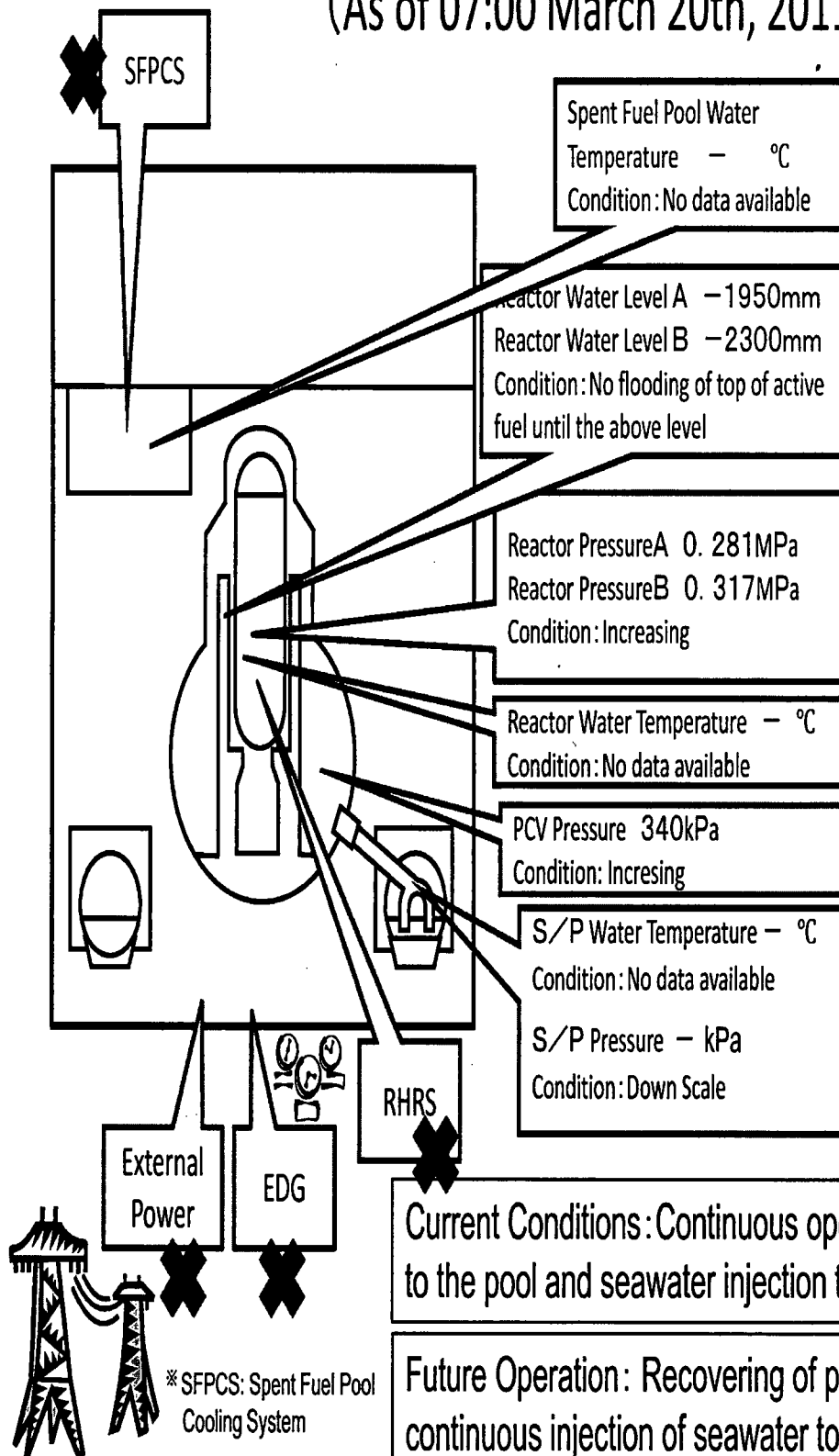


Conditions of Fukushima Dai-ichi Nuclear Power Stations Unit 2 (As of 07:00 March 20th, 2011)



Conditions of Fukushima Dai-ichi Nuclear Power Stations Unit 3

(As of 07:00 March 20th, 2011)



Major Events after the earthquake

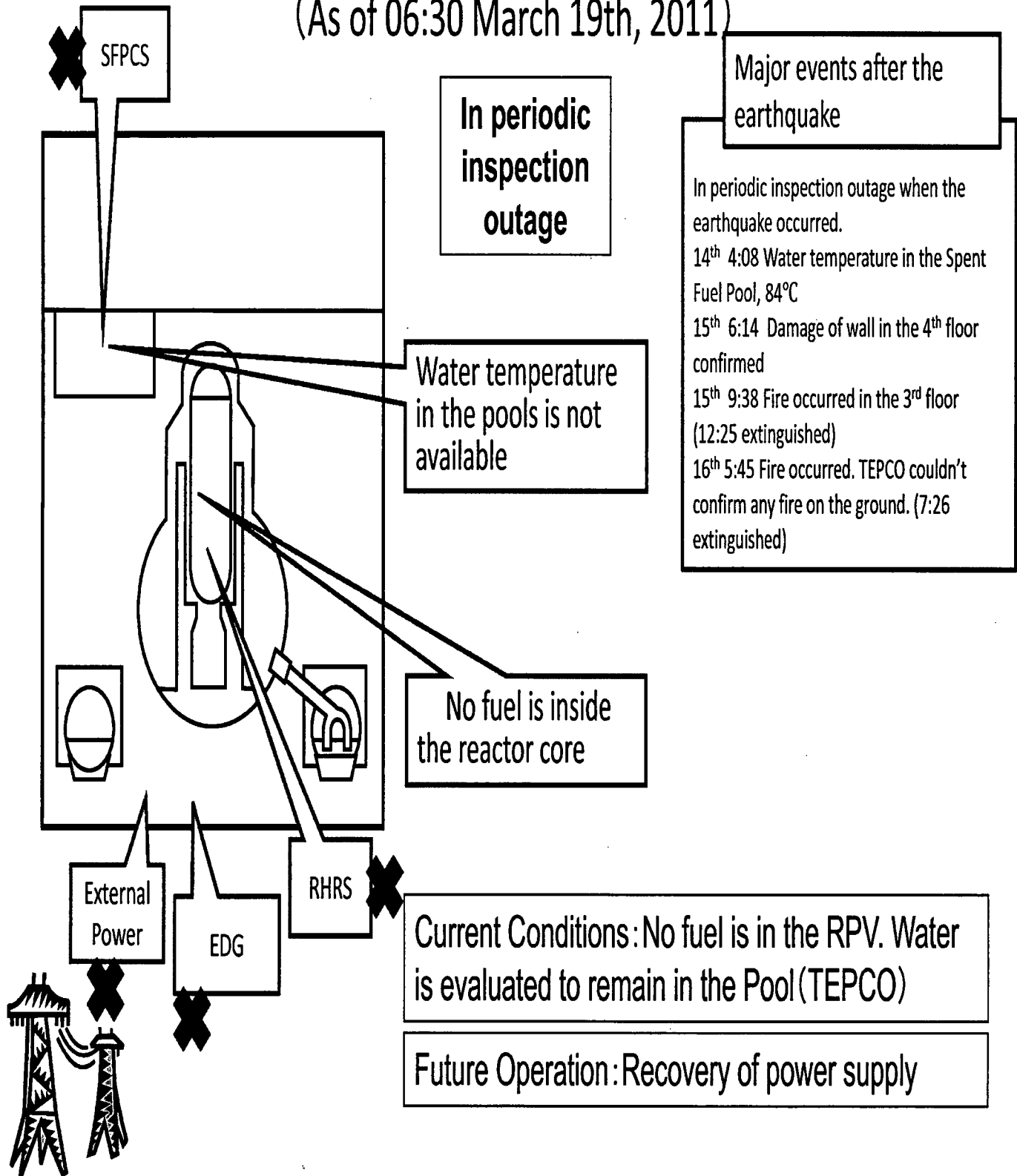
11th 14:46 Under operation,
Automatic shutdown by the earthquake
11th 15:42 Report of the Article 10 (loss of A/C power)
13th 5:10 Occurrence of the Article 15 event (Loss of water injection function)
13th 8:10 Start to bent
14th 7:44 Occurrence of the Article 15 event (unusual increase of PCV pressure)
11:01 Sound of explosion
16th about 8:30 White smoke generated
17th 9:48~10:01 Water discharge by the helicopters of Self-Defense Force (4 times)
19:05~20:09 Water spray from the ground by High pressure water-cannon trucks (Police: once, Self-Defense Force: 5 times)
18th before 14:00~14:38 Water spray from the ground by same trucks (Self-Defense Force: 6 times)
~14:45 Water spray from the ground by US water-cannon trucks (US armed forces: 1 time)
19th 0:00 ~01:00 Water spray by Hyper Rescue Unit of Tokyo Fire Department.
14:10 Start of the second water spray (continued)

Current Conditions: Continuous operations for water spray to the pool and seawater injection to the Reactor Core

Future Operation: Recovering of power supply and continuous injection of seawater to core.

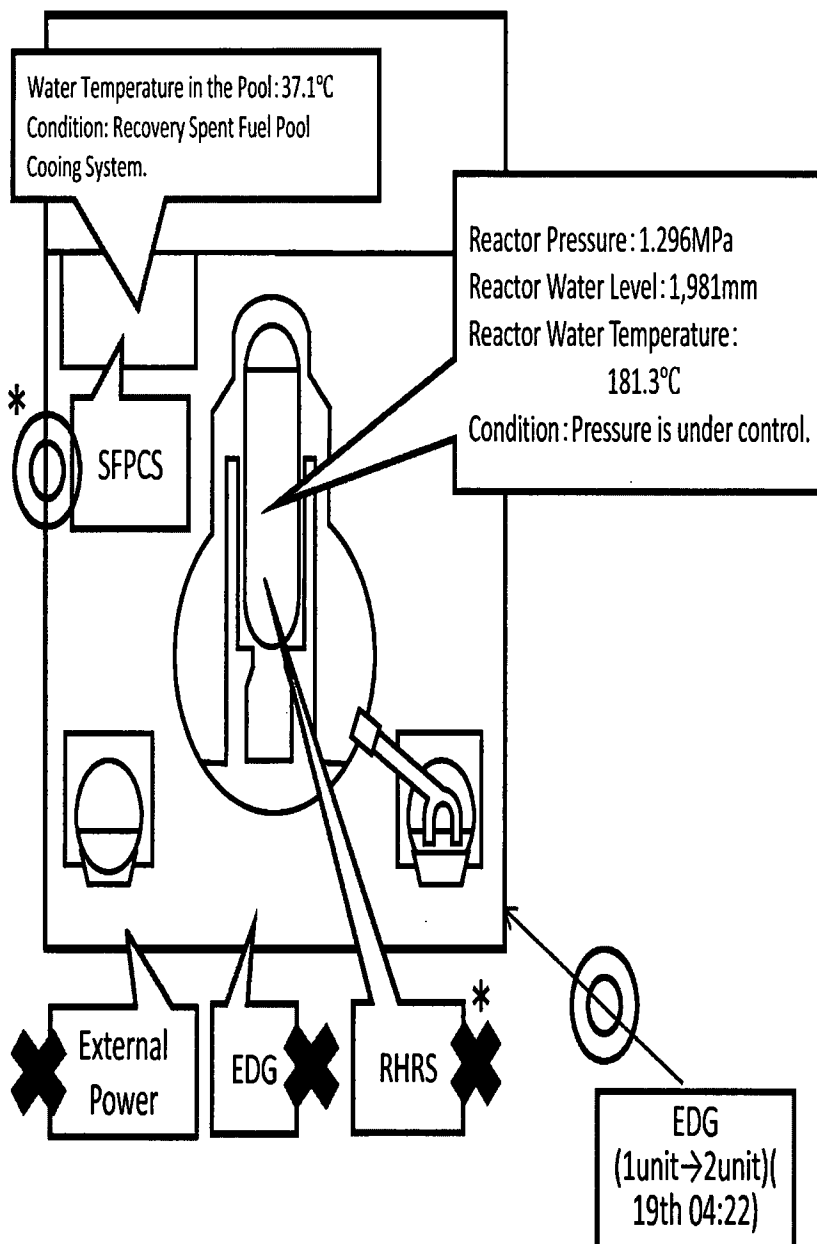
Conditions of Fukushima Dai-ichi Nuclear Power Stations Unit 4

(As of 06:30 March 19th, 2011)



Conditions of Fukushima Dai-ichi Nuclear Power Stations Unit 5 (As of 07:00 March 20th, 2011)

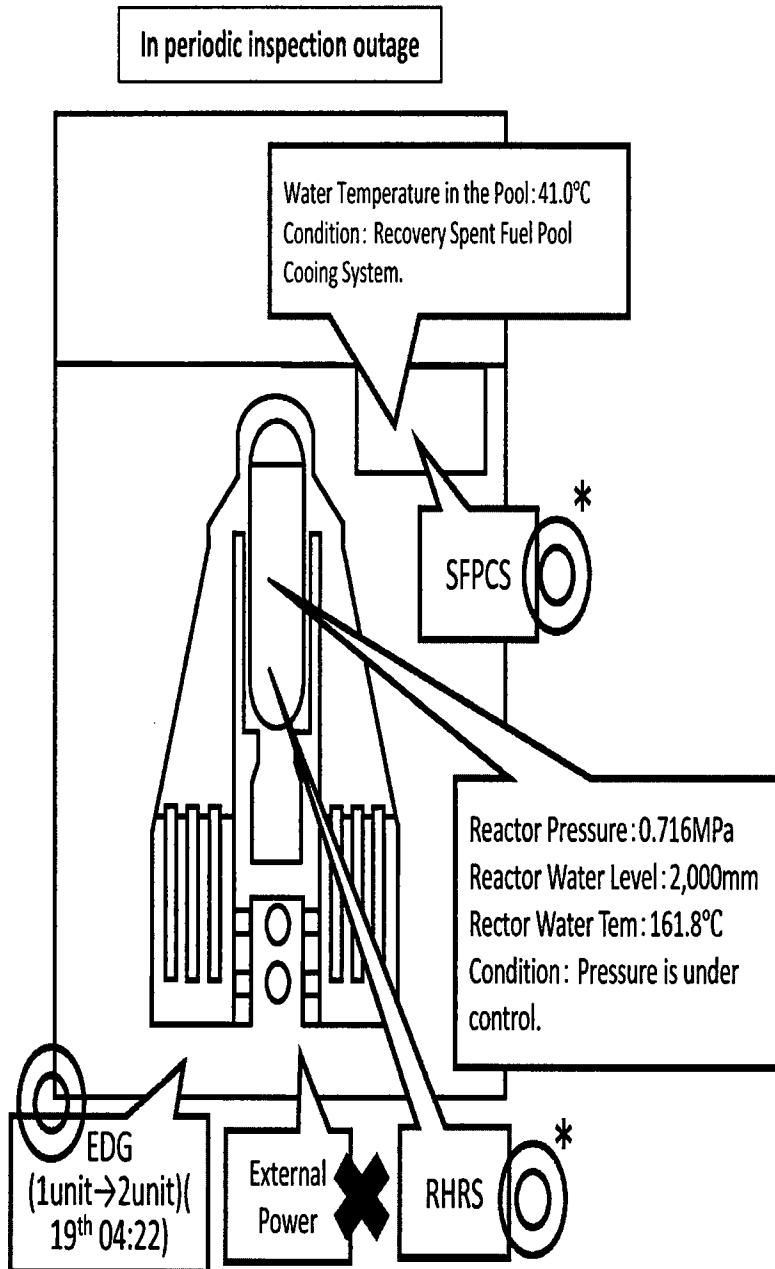
In periodic inspection outage



Current Conditions: Emergency Diesel Generator (1 unit →2 unit) for Unit 6 is being operated. (supplying electricity to Units 5 and 6) Pump of RHR for Unit 5 started up.

Future Operation: Start operating for recovery of external power

Conditions of Fukushima Dai-ichi Nuclear Power Stations Unit 6 (As of 07:00 March 20th, 2011)



Current Conditions: Emergency Diesel Generator (19th 04:22 1 unit →2 unit) for Unit 6 is being operated. (supplying electricity to Units 5 and 6)
RHR (B) for Unit 6 recovered and started full operation. (22:14 March 19th).

Future Operation: Start operating for recovery of external power

* It cools Spent Fuel Storage Pool with priority

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Sunday, March 20, 2011 9:10 AM
To: DART_PACTSU; RMTPACTSU_DMO; RMTPACTSU_DMP; RMTPACTSU_INC;
RMTPACTSU_PRO; RMTPACTSU_RM
Subject: (SBU) 03.20.11 - USAID/DART Japan Earthquake and Tsunami Field Notes #9
Attachments: 03.20.11 - USAID-DART Japan Field Notes #9.doc

-- U.S. Government Only --

Please Note: This is for information purposes only. Please do not distribute outside of the RMT or DART.

(b)(5)

(b)(5)

(b)(5)

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

~~—Internal OFDA Use Only—Do Not Distribute—~~

~~—U.S. Government Only—~~

~~—Please Note: This is for information purposes only. Please do not distribute outside of
the RMT or DART.~~

**USAID/DART Japan Earthquake and Tsunami Field Notes #9
03.20.11**

(b)(5)

(b)(5)

~~—Internal OFDA Use Only—Do Not Distribute—~~

(b)(5)

From: Bock, Yoni <ybock@ofda.gov>
Sent: Sunday, March 20, 2011 8:52 AM
To: DART_PACTSU
Cc: ofdaPACOM; RMTPACTSU_CRC
Subject: Comms issues - lost cell phone

ALI,

My bberry has been misplaced/lost/gotten stolen. One more location where I am checking tonight to see if I left it; else I will be completely off comms until tomorrow morning. For anything urgent, please contact Tom Frey.

Cheers,
Yoni

~~~~~  
Mr. Yonahton Bock  
Military Liaison Officer / Civ-Mil Coordinator  
Japan Earthquake/Tsunami DART  
Email: [ybock@usaid.gov](mailto:ybock@usaid.gov)  
Blackberry [redacted] (b)(6)

DNS at USFJ: 225-4329, 3137, 2469

From US (or non DSN) (011 81) 425 522-511  
From Japan (non DSN) 0425 522-511  
*after dial tone, ext 54329, 52469, 53137*

Current Location: Yokota AB, Tokyo, Japan  
~~~~~

From: Bock, Yoni <ybock@ofda.gov>
Sent: Sunday, March 20, 2011 8:45 AM
To: RMT_PACTSU; DART_PACTSU
Subject: FW: MITAM Japan EQ/TSU - March 20, 2011 (2100)
Attachments: PacTSU MITAM - March 20 2011.xlsx

Importance: High

All,

Forgot to cc y'all just now. Multo apologies.

/Yoni

From: Bock, Yoni
Sent: Sun 3/20/2011 8:36 AM
To: (b)(6)
Cc: (b)(6)

(b)(6)

Subject: MITAM Japan EQ/TSU - March 20, 2011 (2100)

CAT Chief: For Action

Everyone else: For info

Today's Mission Taskings include seven new missions:

(b)(5)

Please provide update on status of missions as available.

v/r

Yoni

~~~~~  
Mr. Yonahton Bock  
Military Liaison Officer / Civ-Mil Coordinator  
Japan Earthquake/Tsunami DART  
Email: [ybock@usaid.gov](mailto:ybock@usaid.gov)  
Blackberry: (b)(6)

DNS at USFJ: 225-4329, 3137, 2469

From US (or non DSN) (011 81) 425 522-511  
From Japan (non DSN) 0425 522-511  
*after dial tone, ext 54329, 52469, 53137*

Current Location: Yokota AB, Tokyo, Japan  
~~~~~

(b)(5)

(b)(5)

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(b)(5)

(b)(5)

(b)(5)

From: RMTPACTSU_ELNRC <RMTPACTSU_ELNRC@ofda.gov>
Sent: Sunday, March 20, 2011 8:42 AM
To: RMT_PACTSU; DART_PACTSU
Subject: FW: USNRC Earthquake-Tsunami Update 03-20.11--0600 EDT
Attachments: NRC Status Update 3-20.11--0600.pdf

FYI

From: LIA07 Hoc [mailto:LIA07.Hoc@nrc.gov]
Sent: Sunday, March 20, 2011 6:20 AM
Cc: LIA07 Hoc
Subject: USNRC Earthquake-Tsunami Update 03-20.11--0600 EDT

Attached, please find the 0600 EDT March 20, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is ~~"Official Use Only"~~ and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
james.anderson@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: RMTPACTSU_INC <RMTPACTSU_INC@ofda.gov>
Sent: Sunday, March 20, 2011 8:37 AM
To: RMT_PACTSU; DART_PACTSU
Subject: 03.20.11 - Japan Press Guidance
Attachments: 110320 0830 EDT Japan EQ Talking Points.doc

All,

Please see the updated USAID/OFDA Japan press talking points for March 20, 2011, attached here.

Alison

Helen Ho and Alison Lapp
Information Coordinators
Pacific Tsunami and Japan Earthquake Response Management Team
RMTPACTSU_INC@ofda.gov
202-712-0039

USG Talking Points

Humanitarian Response to Japan Quake

Updated 3/20/2011 @ 0830 EDT

The Government of Japan (GoJ) National Police Agency reported 8,277 deaths, 12,722 persons missing, and 2,619 people injured due to the earthquake and tsunami as of 0500 hours EDT, or 1800 hours Japan Standard Time (JST), on March 20. In addition, the natural disasters damaged or destroyed nearly 119,000 buildings and 1,500 roads.

Conditions at the Fukushima Daiichi nuclear power plant remain relatively stable as of 0500 hours EDT March 20, according to U.S. Nuclear Regulatory Commission (NRC) personnel on the RMT. Efforts to mitigate radiation exposure are ongoing.

USG ASSISTANCE

The U.S. Agency for International Development (USAID) is working with agencies across the U.S. Government—including the Departments of State, Defense, and Energy and the Nuclear Regulatory Commission—to assure that we are able to provide necessary assistance to the Government of Japan in the aftermath of the devastating earthquake and tsunami.

The USAID Disaster Assistance Response Team (DART) is in Japan and working to manage the overall U.S. Government response effort in Japan in coordination with the U.S. Embassy in Tokyo.

Nuclear specialists on the DART—including 11 NRC officers, 1 DoE officer, and 1 U.S. Department of Health and Human Services (HHS) officer—are monitoring technical aspects of the nuclear issues at the Fukushima Daiichi nuclear power plant, engaging with GoJ officials on the status of the health impacts of radiation, and providing guidance to the U.S. Embassy in Tokyo on efforts to cool reactors.

In response to a request from the GoJ, USAID's Office of U.S. Foreign Disaster Assistance is transporting 10,000 sets of personal protective equipment (PPE), including suits, masks, gloves, decontamination bags, and other supplies, for use during Japanese recovery clean-up efforts.

DART staff continue to engage at three levels to determine any possible humanitarian needs in Japan—nationally through Japan's Ministry of Foreign Affairs (MoFA) and other GoJ contacts, locally at the prefecture level and in

coordination with U.S. Forces-Japan, and through Japanese civil society organizations, including Japan Platform (JP).

DART field assessments in Miyagi Prefecture have demonstrated that assistance is flowing in an organized manner from the national level to the evacuation center level. Fuel shortages limited the transport of relief supplies in the week after the disasters; however, the GoJ expects the situation to improve in coming days as two large refineries resume operations and 300 fuel trucks commence deliveries to affected areas. The JSDF also reported having adequate fuel supplies to conduct relief commodity deliveries. The GoJ has successfully reached nearly all people residing in previously inaccessible areas for voluntary transport to evacuation sites.

The DART is working to vet requests for assistance from local prefectures and convey them to USFJ for coordination with JSDF for transportation and onward distribution. The DART notes that sufficient relief commodities are available in-country and the GoJ has not requested in-kind contributions.

On March 13, USAID's Urban Search and Rescue (USAR) teams from Fairfax County and Los Angeles County, comprising 144 personnel and 12 live search canines, arrived in Misawa, Japan and were immediately dispatched to Ofunato in Iwate prefecture. After nearly a week of operations, the teams completed all GoJ-assigned missions and returned to the U.S.

Prior to their departure, the U.S. USAR teams transferred nearly \$145,000 in equipment to the Ofunato fire department to assist with local recovery efforts. The equipment includes 4 zodiac boat kits—containing boats, motor, fuel tanks, and paddles—16 kerosene heaters, 160 cots, and 160 sleeping bags.

For individuals and businesses who wish to help those in Japan, we encourage making a cash donation to a reputable organization working in the affected area. Nothing will get there faster or help more at this time. Visit www.usaid.gov for more info or email japanhelp@ofda.gov.

From: Cohen, Hal <hcohen@ofda.gov>
Sent: Sunday, March 20, 2011 8:18 AM
To: RMTPACTSU_DMO; Hughart, Joe
Cc: Howard, Christopher; DART_PACTSU; RMTPACTSU_HHS1; RMTPACTSU_RM;
RMTPACTSU_DMP; RMTPACTSU_MLO; RMTPACTSU_LC; Cohen, Harold(GC/DCHA)
[USAID]
Subject: RE: Ambassador's Urgent Request for HHS (b)(5)
(b)(5)

Gavi's comments address only issue I would have. (Thanks Gavi, you're working me out of a job.)

(b)(5)

MTPACTSU_DMO
Sent: Sun 3/20/2011 7:17 AM
To: Hughart, Joe
Cc: Howard, Christopher; DART_PACTSU; RMT_PACTSU; RMTPACTSU_HHS1
Subject: RE: Ambassador's Urgent Request for HHS (b)(5)

(b)(5)

As a follow up to Gavi's message, I've attached some additional information on HHS capabilities related to this response.

I hope this helps.

Chris Leonardo

-----Original Message-----

From: RMTPACTSU_DMP

Sent: Sunday, March 20, 2011 6:43 AM

To: Hughart, Joe; RMTPACTSU_RM; RMTPACTSU_HHS; RMTPACTSU_HHS1; RMTPACTSU_DMO; Berger, William; DART_PACTSU; Howard, Christopher

Subject: RE: Ambassador's Urgent Request for HHS

(b)(5)

(b)(5)

(b)(5)

Let me know what you can, and we'll start talking through the interagency agreement here.

Gavi

Gavrielle Rosenthal

Deputy Manager for Planning

Pacific Tsunami and Japan Earthquake Response Management Team USAID/DHCA/OFDA Rmtpactsu_dmp@ofda.gov
202-712-0039

-----Original Message-----

From: Hughart, Joe

Sent: Sunday, March 20, 2011 6:27 AM

To: RMTPACTSU_RM; RMTPACTSU_HHS; RMTPACTSU_HHS1; RMTPACTSU_DMO; RMTPACTSU_DMP; Berger, William; DART_PACTSU; Howard, Christopher

(b)(5)

(b)(5)

Bill concurs.

Best,
- Joe Hughart

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: RMTPACTSU_CRC <RMTPACTSU_CRC@ofda.gov>
Sent: Sunday, March 20, 2011 6:58 AM
Subject: daily contact list 3.20.11
Attachments: RMTPACTSU_CRC_Daily Contact List.(3.20.11).xls

Hi,

Here's the latest daily contact list. Thanks for the calls and E-mails alerting us of changes.

Cheers,
Chris

Chris Silks
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_crc@ofda.gov
202-712-0036

SBU - INTERNAL USE ONLY - NOT FOR ONWARD DISTRIBUTION

Updated March 20, 18:30

DART/RMT - Pacific Tsunami

(RMT phone) 202 712-0039 • (RMT fax) 202 216-3269

RMT_PACTSU@ofda.gov

Office	Name	Office Phone	Contact Info	Cell Phone	Email	Location
Washington DC						
RESPONSE DIRECTOR						
DCHA/OFDA/Director	Mark Bartolini	x 24368			mbartolini@usaid.gov	
Staffing Approval Contact	Aimee Lauer		703-459-6824		alauer@usaid.gov	
RMT						
Response Manager	Kathleen Martin (am)	x 20002			RMT_PACTSU_RM@ofda.gov	8th FLOOR OPS
	Cara Christie (pm)	x 20002	703-300-6404		RMT_PACTSU_RM@ofda.gov	
Dep. Mgr Operations	Christine Leonardo	x 20008			RMT_PACTSU_DMO@ofda.gov	
Dep. Mgr Planning	Gavi Rosenthal	x 20003			RMT_PACTSU_DMP@ofda.gov	
Planning Coordinator	George Siasoco	x 20033			RMT_PACTSU_PC@ofda.gov	
Logistics Coordinator	Todd Home	x 25706			RMT_PACTSU_LC@ofda.gov	
	Rob Thibault	x 20556			RMT_PACTSU_LC@ofda.gov	
	Pat Long (pm)	x 25706			RMT_PACTSU_LC@ofda.gov	
	Kai Olson	x 25706			RMT_PACTSU_LC@ofda.gov	
C&R Coordinator	Katie Johnston (am)	x 20036			RMT_PACTSU_CRC@ofda.gov	
	Chris Sikes (pm)	x 20036			RMT_PACTSU_CRC@ofda.gov	
CRO	Tania Tam	x 20039			RMT_PACTSU_CRO@ofda.gov	
Admin Coordinator	Craig Wenger (Sun)	x 20031	910-471-7653		RMT_PACTSU_AC@ofda.gov	
	Surin McKenna	x 20031	703-944-7235		RMT_PACTSU_AC@ofda.gov	
Information Coordinator	Helen Ho	x 21139			RMT_PACTSU_INC@ofda.gov	
	Diedra Spencer	x 20039			RMT_PACTSU_INC@ofda.gov	
	Allison Lapp	X 21139			RMT_PACTSU_INC@ofda.gov	
MLO	Steve Catlin	x 20034			RMT_PACTSU_MLO@ofda.gov	
	Steve Katz	x 25711	908-585-1249		RMT_PACTSU_MLO@ofda.gov	
	Thery Curtis (weekend)	x 20034			RMT_PACTSU_MLO@ofda.gov	
DOD/JCS Liaison	John Hickok	x 21009 (no vm)	(b)(6) (cell)		RMT_PACTSU_DoD_JCS@ofda.gov	
	Doug Brown	x 21009 (no vm)			RMT_PACTSU_DoD_JCS@ofda.gov	
Press Officer	Rebecca Gustafson				RMT_PACTSU_PRO@ofda.gov	
ELC	Rhonda Davis Stewart (am)	x 20032			RMT_PACTSU_ELC@ofda.gov	
	Phil Gelman (pm)	x 20032			RMT_PACTSU_ELC@ofda.gov	
ELO	Gari Mayberry	x 20042 (no vm)			RMT_PACTSU_ELO@ofda.gov	
SSO	Raphael Alequin	x 20731			RMT_PACTSU_SSO@ofda.gov	
SRO	Jerome Williams (am)	x 24381	571-436-7144		RMT_PACTSU_SRO@ofda.gov	
	Don Mahike (pm)	x 24381			RMT_PACTSU_SRO@ofda.gov	
GIU	Chad Blevins	703-725-7697			RMT_PACTSU_GIO@ofda.gov	
	Brendan Bartow				RMT_PACTSU_GIO@ofda.gov	
	Dong Chung				RMT_PACTSU_GIO@ofda.gov	
DOE Liaison	Steve Burtman	x 24382			RMT_PACTSU_DOE@ofda.gov	
	Matt Bruhn	x 24382			RMT_PACTSU_DOE@ofda.gov	
PACOM Liaison	Jack Raimann	x 25318 (no vm)			RMT_PACTSU_PACOM@ofda.gov	
State Ops Liaison	Dana Banks	x 20996			RMT_PACTSU_STATE@ofda.gov	
	Paul Narain (weekend)	x 20996			RMT_PACTSU_STATE@ofda.gov	
Asia Regional Bureau	Kishori Kedaya	x 25498			RMT_PACTSU_ALOAsia@ofda.gov	
	Sana Hussain	202-712-5636			sahussain@usaid.gov	
LAC Regional Bureau	Olivia Lopez, POC	202-712-0262	510-290-8442		RMT_PACTSU_ALOLAC@ofda.gov	
DCHA/OMA	Greg Jicha	202-712-4157			gjicha@usaid.gov	
	David Bendane	202-712-1358			dbendane@usaid.gov	
	Todd Goehler	202-712-1509			tgoehler@usaid.gov	

(b)(6)

Office	Name	Office Phone	Contact Info	Cell Phone	Email	Location
NRC Liaison officer	Mike Dudek (am)	x 24384		(b)(6)	RMTFACTSU_ELNRC@ofda.gov	
	Jason Kozal (am)	x 24384			RMTFACTSU_ELNRC@ofda.gov	
	Jaff Kowalczyk (pm)	x 24384			RMTFACTSU_ELNRC@ofda.gov	
	Joseph Anderson (am)	x 24384			RMTFACTSU_ELNRC@ofda.gov	
	Chuck Teal (pm)	x 24384			RMTFACTSU_ELNRC@ofda.gov	
	Bob Kahler (pm)	x 24384			RMTFACTSU_ELNRC@ofda.gov	
	Leigh Trocino (pm)	x 24384			RMTFACTSU_ELNRC@ofda.gov	
FEMA Liaison	Lou DeGato (am) (RAD)	x 24382			RMTFACTSU_FEMA@ofda.gov	
	Bill Stevenson (am) (OPS)	x 24382			RMTFACTSU_FEMA@ofda.gov	
	Wayne Wythe (Sun, Mon)	x 24382			RMTFACTSU_FEMA@ofda.gov	
HHS/FOH	CAPT John Holland	x 20037	770-570-0458		RMTFACTSU_HHS1@ofda.gov	
	LT Kiel Fisher	x 20037	240-676-7169		RMTFACTSU_HHS@ofda.gov	
FCC Liaison	Tom Sullivan	x 20744 (no vm)			RMTFACTSU_FCC@ofda.gov	
USAID Ops Liaison to State	Warren Wright	202-647-6611			wwright@usaid.gov	
LPA Liaison	Bette Cook	x 24416			bcook@usaid.gov	
GC	Hal Cohen	202-712-5172	(b)(6)		hcohen@ofda.gov	
Interrogation Conf. Room		x 20264				
OFDASUPPORT		x 25624			OFDASUPPORT@ofda.gov	
STATE						
Ops Center: State Japan Earthquake Task Force		202-647-6611			taskforce-1@state.gov	
Country Desk Officer	Heather Dresser	202-647-1512				
Embassy of Country						
Visas	Alvin Abernathy	202-661-9340			aabernathy@ofda.gov	
USAID Misc.						
Special Assist. AID/A	Liz Jaff	x 21156	515-779-1415		rmtpactsu_aloadmint1@ofda.gov	
	Ryan Harper				rmtpactsu_aloadmint2@ofda.gov	
DCHA/OFDA/DD	Carol Chan	202-712-0801			cchan@usaid.gov	
DCHA/DAA	Mark Ward	202-712-0702			mward@usaid.gov	
DC-Based Partners						
State Ops Center		202-647-1512				
NRC Embassy Line		03-3224-5066				
NSS EOP	Keri Lowry	202-456-8284	703-963-7131		(b)(6)	
OMB	Nancy Schwartz	202-395-7560	301-229-1724		(b)(6)	
Interaction	Linda Poteat	202-552-6526			lpoteat@interaction.org	
	Jim Bishop				jbishop@interaction.org	
Interaction Hotline		202-667-8227				
CIDI	Richard Mufley	202-783-0081			rmufley@cidi.org	
CIDI Hotline		703-276-1914				
DFID	Ian Howard Williams, Response Manager	0044-7901-558-124			i-howard-williams@dfid.gov.uk	
NOAA	James Turner	202-482-6076	(b)(6) (h)		james.turner@noaa.gov	
State Task Force WHA rep	Dave Hermann				hermann@state.gov	
Department of Energy (DOE) Watch	David Bowman	202-586-8100			David.Bowman@msa.doe.gov	
DOE Nuclear Incident Team (NIT)		202-287-2355 (STE)			nitops@msa.doe.gov	

Office	Name	Office Phone	Contact Info	Cell Phone	Email	Location
USARJ LNO to Northern Army	MAJ Nebeker	080-1008-1807		(b)(6)	(b)(6)	
OSD- Office of Sec. of Defense	24-hour watch					
FFX USAR Support Center		703-815-5523				
FFX USAR	Brenda Bauman	703-803-2102				
LACo USAR	Battalion Chief Stephen M. Davis	818-890-5700			SDavis@fire.lacounty.gov	
LA County USAR Support Center	Monitored by 24 Hour Support Team	818-890-5700			(b)(6)	
Office	Name	Office Phone	Contact Info		Email	Location
FIELD						
DART						
Tokyo Hotel Information	Hotel Okura	81-3-3582-1111				2-10-4 Toranomon, Minatu-ku Tokyo 105-0001
USAR BoO (Base of Operations)		88-165-145-2197 88-163-251-2204 88-165-145-2144 (USA 1) 88-164-141-9723 (USA 2) 88-164-141-9720 (USA 2)				
Team Leader	Bill Berger		(b)(6) (cell)	wberger@ofda.gov wberger@usaid.gov	Tokyo	
Deputy Team Leader	Courtney Brown		(b)(6) (bb)	cbrown@ofda.gov	Tokyo	
Press Officer	Dave Stone			dstone@ofda.gov	Ofunato	
Information Officer	Erin Magee			emagee@ofda.gov	Tokyo	
Field Officer	Amy Sink		(b)(6) (bb)	asink@ofda.gov	Tokyo	
Operations Coordinator	Dewey Parks		(b)(6) (bb)	dparks@usaid.gov	Ofunato	
Admin Coordinator	Natalya Johnson			njohnson@ofda.gov	Tokyo	
COMMS Officer	Marco Rivera	703-247-6689		mrivera@ofda.gov	Tokyo	
Logistics Coordinator	Travis Betz	202-344-0016		tbetz@ofda.gov	Misawa	
MLO	Yoni Book	813-827-5271	(0) 425 522-511, ext 54329 or 52469, or 53137	ybook@usaid.gov	Yokota	
MLO	Tom Frey		(0) 425 522-511, ext 54329 or 52469, or 53137	tfrey@ofda.gov		
MLO	Bill Laspina		(b)(6) (cell)	blaspina@usaid.gov		
Branch Chief for the HHS Team	Chris Howard		(b)(6) (cell)	choward@usaid.gov		
Branch Chief for NRC Team /SSO	CAPT Joe Hughart	678-569-3938		jhughart@ofda.gov	Tokyo	
NRC Liaison	Jim Trapp	(b)(6) SAT Phone		(b)(6) dantNRCLiaison2@ofda.gov	Tokyo	
NRC Liaison	Tony Ulbes	(b)(6) SAT PHONE		Anthony.ulbes@nrc.gov dantNRCLiaison1@ofda.gov	Tokyo	
NRC	Richard Devereally			richard.devereally@nrc.gov		
NRC	Timothy Kolb			timothy.kolb@nrc.gov		
NRC	Chuck Casio			chuck.casio@nrc.gov		
NRC	William Cook			willam.cook@nrc.gov		
NRC	Tony Nakanishi			tony.nakanishi@nrc.gov		
NRC	Jack Foster			jack.foster@nrc.gov		
NRC	John Morningner			john.morningner@nrc.gov		
NRC	Brooke Smith			brooke.smith@nrc.gov		
NRC	Kirk Foggie			kirk.foggie@nrc.gov		
DOE Liaison	Alan Lloyd Remick		(b)(6) (bb)	alanremick@msa.doe.gov dantDOELiaison1@ofda.gov	Tokyo	

Office	Name	Office Phone	Contact Info	Cell Phone	Email	Location
DART office number:		81-3-3224-5016		(b)(6)		
Field Based Partners						
GOJ Ministry of Foreign Affairs	Ms. Setsuko Kawahara	81-3-5501-8000			setsuko.kawahara@mofa.go.jp	
GOJ/MFA Deputy Director	Mr. Naoki Mitani	81-3-5501-8000				
GOJ/MFA Special Coord. for Overseas Disaster Assist.	Mr Yukio Yoshii	81 3 5501 8359			yukio.yoshii@mofa.go.jp	
UNDAC Support, in Country	Mr. Akin Katoh - Team Leader					
UNDAC	Mr. Sebastian Rhodes Stampa - Deputy Team Leader					
UNDAC	Mr. Yongsang Kim					
UNDAC	Mr. Yosuke Okita					
UNDAC	Ms. Akiko Yoshida					
USAID/OFDA Regional Office						
USAID Bangkok	Al Dwyer	(011) 66-2-257-3271	202-407-3358		adwyer@ofda.gov	
BKK Liaison	Tony Sitt - Liaison				tsitt@ofda.gov	
US Embassy, Japan						
Ambassador	John Roos					
PAO @ Embassy	Karen Kelley					
State Energy	Tim Cipulo					
DOE Liaison	Ron Cherry					
Pol-Mil POC	Tim Helmer5				helmerb@state.gov TokyoPolMilUnit@state.gov	
Pol-Mil	Chief Joe Young					
Pol-Mil	Laura Till				ltill@state.gov	
Pol-Mil	Ken (Kenichiro) Toko					
USAID Mission						
MDRO	John Beed	81-3-3224-5015			beedja@state.gov	
AMDRO	Rie Yamaki	81-3-3224-5276/5000			YamakiRX@state.gov	
COCOMs						
PACOM	Rob Andrew	808-477-9641			randrew@ofda.gov	
	Watch Director	808-477-7377				
	JOC	DSN 315-477-7375				
	J4	808-477-7210				
	USFJ	J5 BCAT DSN 315-225-4329			(b)(6)	

From: LIA07 Hoc
Sent: Sunday, March 20, 2011 6:23 AM
To: Liaison Japan
Subject: USNRC Earthquake-Tsunami Update.032011.0600EDT
Attachments: USNRC Earthquake-Tsunami Update.032011.0600EDT.docx

Attached, please find the 0600 EDT March 20, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
james.anderson@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: Dorman, Dan
Sent: Sunday, March 20, 2011 6:09 AM
To: Casto, Chuck
Cc: Monninger, John
Subject: Arrived

Chuck,

I have arrived and checked into the Okura, Rm 653. As I have had about 10 hours of sleep in the last two and a half days, including about 90 minutes in the last 24 hours, I'll plan to catch up with you in the morning unless you have an urgent need.

My BB # is (b)(6)

Dan

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Sunday, March 20, 2011 6:01 AM
To: RMTPACTSU_CRC; RMT_PACTSU; DART_PACTSU
Cc: Dwyer, Alan (RDMA/OFDA) [USAID]; Siasoco, George(DCHA/OFDA) [USAID]
Subject: RE: DART-RMT internal call 7amEDT/8pmJST

Hello,

Sorry for the late notice, but we are having a briefing with Mark during this time, so we need to cancel the call. Please call us individually if you have any issues to discuss. Otherwise, we will talk to you on the next call tomorrow morning at 8:00 am.

Thanks!

Erin

Erin Magee
Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:
Email: emagee@ofda.gov; emagee@usaid.gov

(b)(6)

From: RMTPACTSU_CRC
Sent: Sun 3/20/2011 5:09 AM
To: RMT_PACTSU; DART_PACTSU
Cc: Dwyer, Alan (RDMA/OFDA) [USAID]; Siasoco, George(DCHA/OFDA) [USAID]
Subject: DART-RMT internal call 7amEDT/8pmJST

Greetings DART and RMT,

The next DART-RMT internal call is Sunday 7amEDT/8pm JST

1-888-363-4749 (USA Toll Free)

215-446-3662 (USA Caller Paid/ International Toll)

Access Code: (b)(6)

Thanks,

Chris

Chris Silks

Pacific Tsunami and Japan Earthquake Response Management Team

USAID/DHCA/OFDA

Rmtpactsu_crc@ofda.gov

202-712-0036

From: LIA11 Hoc
Sent: Sunday, March 20, 2011 5:33 AM
To: Merchant, Ned; Cook, William; Monninger, John
Cc: RMTPACTSU_ELNRC; RST01 Hoc
Subject: Topics of discussion for TEPCO/Bechtel/GE-H
Attachments: List of Questions from TEPCO to Bechtel-GE.doc

All –

- 1) TEPCO will not be on the 0600 EDT conference call. NRC HQ team recommends [REDACTED]
[REDACTED] (b)(5)
- 2) In the attached document, the NRC HQ team has compiled a list of questions/concerns that TEPCO has regarding the pumping system. [REDACTED]
[REDACTED] (b)(5)
- 3) John – Please let us know if there is anything we missed on this list, and we will distribute as necessary.

Please let me know if you have any questions or concerns.

Thanks,
Scott

Discussion Topics for TEPCO/Bechtel/GE-H

- What is the ETA at Yokota?
- What kind of vehicles would be required for transport from Yokota to site?
 - How many of each vehicle type would be required?
- What is the footprint of the system, as assembled 1) for training/testing, and 2) operation?
- There is a concern of placing heavy equipment onto “squishy” soil at the site. Considering this concern, what are the weight implications of this system? What measures can be taken to ensure stable operations?
- How long does each train take to set up?
- How many people are required 1) for transport; 2) for set-up; 3) for testing; 4) for operation?
- How long will the system take to set up 1) for set-up/testing; 2) for on-site operations.
- How much training time will be necessary?
- What is the fuel burn rate for the entire train?
- GoJ is preparing to provide transport vehicles, diesel fuel, personnel, and device for placing the submersible pump in water. Are we expecting anything else from GoJ?
- Will we run into problems with English/metric compatibility on the fittings for nozzles, etc.?
- If we use the system as depicted in the base option (i.e. concrete pumper), are the appropriate nozzles and hoses included in the shipment?
- What will be the flow rate if a hose is attached to a concrete pumper elevated to 58 meters?
- Were cameras shipped with the train?
- Can remotely-read sensors (i.e. rad monitors, cameras, temperature monitor, etc.) be mounted at the end of the boom?
- Can they change the suction source from seawater to pure water via a truck or flexible tank?
- Can the system be connected directly into the concrete pumper?
- Are there any means of directing flow if attached to a crane?
- The system specification is changed from 50 meter elevation to 58 meter elevation. Will the system perform satisfactorily considering the additional head losses?

From: RMTPACTSU_CRC <RMTPACTSU_CRC@ofda.gov>
Sent: Sunday, March 20, 2011 5:10 AM
To: RMT_PACTSU; DART_PACTSU
Cc: Dwyer, Alan (RDMA/OFDA) [USAID]; Siasoco, George(DCHA/OFDA) [USAID]
Subject: DART-RMT internal call 7amEDT/8pmJST

Greetings DART and RMT,

The next DART-RMT internal call is Sunday **7amEDT/8pm JST**

1-888-363-4749 (USA Toll Free)

215-446-3662 (USA Caller Paid/ International Toll)

Access Code (b)(6)

Thanks,
Chris

Chris Silks
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_crc@ofda.gov
202-712-0036

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Sunday, March 20, 2011 3:54 AM
To: DART_PACTSU
Subject: No Field Call Today

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

From: RMTPACTSU_LC <RMTPACTSU_LC@ofda.gov>
Sent: Sunday, March 20, 2011 3:23 AM
To: Betz, Travis; Horne, Todd(DCHA/OFDA) [USAID]; DART_PACTSU
Cc: RMTPACTSU_LC; OFDALogistics [USAID]
Subject: RE: Wheels down FFX

Thanks T! Glad to hear that. We're off to the FF Academy now to greet the team. Call me on my personal cell if you have an issue.

(b)(6)

Todd Horne / Pat Long / Rob Thibault
Logistics Coordinator
202-712-0039 x-5706

-----Original Message-----

From: Betz, Travis
Sent: Sunday, March 20, 2011 3:20 AM
To: Horne, Todd(DCHA/OFDA) [USAID]; RMTPACTSU_LC; DART_PACTSU; OFDALogistics [USAID]
Subject: Wheels down FFX

We are back on the east coast. Thanks ofdalogs!

Travis

From: RMTFACTSU_LC <RMTFACTSU_LC@ofda.gov>
Sent: Sunday, March 20, 2011 3:16 AM
To: RMT_PACTSU; DART_PACTSU
Cc: (b)(6)
(b)(6); plong@fire.lacounty.gov; OFDALogistics [USAID]
Subject: RE: Wheels DOWN (Again) USAR Team has landed Dulles (IAD)
Attachments: image001.jpg

Wheels down!

Todd Horne / Pat Long / Rob Thibault
Logistics Coordinator
202-712-0039 x-5706

From: RMTFACTSU_LC
Sent: Saturday, March 19, 2011 10:46 PM
To: RMT_PACTSU; DART_PACTSU
Cc: USAR Support Fairfax (b)(6); USA-2 Logistics (b)(6); USA-2 USAR DST (b)(6); USA-2 USAR Team (b)(6); 'plong@fire.lacounty.gov'; OFDALogistics [USAID]
Subject: Wheels up! (Again) USAR Team is headed LA to Fairfax

Well, the USAR teams landed in Los Angeles where the USA-2 Team disembarked.
Getting USA-1's baggage re-checked took a bit longer than anticipated, so there is a slight delay in their original schedule. (1 hour delay)

The USA-1 Team is now WHEELS UP. Enroute Dulles. They have a 4 hour, 15 minute flight time and are expected into IAD at **0245 local time.**

Once they collect their luggage, the team will be bussed back to their headquarters, located at:

Fairfax County Fire and Rescue Academy
4600 West Ox Road
Fairfax, Virginia 22030
Support Center #: (703) 815-5525

ALL ARE WELCOME TO ATTEND A BRIEF HOMECOMING CELEBRATION AT THE ABOVE ADDRESS. (Sorry it's so late)

You can track the flight on Flight Tracker if you wish.
www.flightstats.com Delta Flight 8968 LAX – IAD

For those that love the details, here are their actual times:
Departed MSJ 2210L, arrived LAX 1537L
Departed LAX 1900L – Planned 4 hr 15 min flight time.

Have a great night. I'm looking forward to sending a wheels down notification soon!
~Pat

Todd Horne / Pat Long / Rob Thibault
Logistics Coordinator

From: RMTFACTSU_LC

Sent: Saturday, March 19, 2011 9:10 AM

To: RMT_FACTSU; DART_FACTSU

Cc: USAR Support Fairfax ([REDACTED]); USA-2 Logistics ([REDACTED]); USA-2 USAR DST ([REDACTED]); USA-2 USAR Team ([REDACTED])

Subject: Wheels up! USAR Team is headed home

Hello all,

Your USAR team has departed Misawa Air Base and is headed home. They will fly directly to LAX (Los Angeles), where they will go through a streamlined customs procedure. After the LA Team is released, the Fairfax team will re-board and continue on to IAD (Dulles).

They were able to get out an hour earlier than scheduled and have an updated arrival time into LAX at 1530 Local (Los Angeles)

The Logistics team will work on getting an updated ETA into Dulles also. For now you can probably safely take an hour off the original arrival time of 0145 Local (Washington DC) but please stay tuned for a better arrival time.

Below is a photo of their ride. Have a great Saturday morning, wherever you are.

Cheers!

~Pat

Todd Horne / Pat Long / Rob Thibault

Logistics Coordinator

202-712-0039 x-5706



From: Betz, Travis <Tbetz@ofda.gov>
Sent: Sunday, March 20, 2011 3:20 AM
To: Horne, Todd(DCHA/OFDA) [USAID]; RMTPACTSU_LC; DART_PACTSU; OFDALogistics [USAID]
Subject: Wheels down FFX

We are back on the east coast. Thanks ofdalogs!

Travis

From: Perks, Dewey(DCHA/OFDA) <dperks@usaid.gov>
Sent: Sunday, March 20, 2011 3:18 AM
To: OFDAGOV: DART_PACTSU; rmtpactsu_@ofda.gov
Subject: FX Has Landed at IAD

From: Smith, Brooke
Sent: Sunday, March 20, 2011 3:11 AM
To: Monninger, John
Subject: MOD meeting moved

Now at 1800 (6:00) tonight. Please let me know when you get this. Thx.

Sent from an NRC Blackberry.

Brooke G. Smith

(b)(6)

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Sunday, March 20, 2011 2:04 AM
To: DART_PACTSU
Subject: Field Notes -- Input due by 5:30

Hello,

Just a reminder that field notes input is due by 5:30 today.

Thanks!

Erin Magee
Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

From: Pommersheim, John M <PommersheimJM@state.gov>
Sent: Sunday, March 20, 2011 12:30 AM
To: Whitney, Thomas C; Peko, Damian; Cherry, Ronald C
Cc: Monninger, John
Subject: RE: Please submit input for sitrep by 11:30

Yes - Much appreciated. John Mark

SBU
This email is UNCLASSIFIED.

From: Whitney, Thomas C
Sent: Sunday, March 20, 2011 1:23 PM
To: 'Peko, Damian'; Cherry, Ronald C
Cc: 'John.monninger@nrc.gov'; Pommersheim, John M
Subject: RE: Please submit input for sitrep by 11:30

Ron, Damian, John,

Thank you very much for this. It is definitely what everyone will focus on when reading the report.

-Thomas

SBU
This email is UNCLASSIFIED.

From: Peko, Damian [mailto:Damian.Peko@Nuclear.Energy.gov]
Sent: Sunday, March 20, 2011 1:16 PM
To: Cherry, Ronald C
Cc: Whitney, Thomas C; 'John.monninger@nrc.gov'
Subject: RE: Please submit input for sitrep by 11:30

Tom

Input for the next SitRep.

Thanks

Damian

Fukushima NPP Status

Seawater injection for cooling the reactor cores at Units 1, 2 and 3 is continuing. There is a potential concern about the accumulation of salt due to the use of seawater. The priority for cooling the spent fuel ponds continued to be on Unit 3, where fire trucks were supplying cooling spray at the rate of 40 tons at least twice daily, according to the NRC's latest status update. Press reporting indicated that Japan Self-Defense Forces sprayed water to cool the spent fuel pool at Unit 4 in an operation Sunday morning that used 11 fire trucks, including one borrowed from the U.S. military. Tokyo Fire Department fire fighters will conduct a second spraying operation at Unit 4 beginning Sunday around 6 pm and continuing into Monday morning, according to press reporting. TEPCO announced it had restored outside electrical power to Units 1 and 2, though it is not yet hooked up to equipment within the building.

Bechtel Pumps: Four sets of high capacity Bechtel Pumps and associated piping and equipment have been or are being assembled for transport to Japan. The first set is loaded onto a C -17 awaiting final approval for transport. The remaining three sets will be available for transport in the near future.

NRC representatives participated in the March 19 Executive Team Headquarters call in preparation for the follow on Consortium meeting. The Consortium then met to discuss the crisis in Japan and to facilitate solutions to resolve it. Invitees included INPO, Exelon, GE, AREVA, EPRI, Babcock, DOE, Naval Reactors, Bechtel and NRC. The Consortium discussed roles and responsibilities, a Charter, and eventual transition and hand over to another agency.

From: Cherry, Ron
Sent: Saturday, March 19, 2011 11:55 PM
To: Peko, Damian
Cc: Whitney, Thomas C
Subject: RE: Please submit input for sitrep by 11:30

Damian,

Please run the draft below past the NRC guys for concurrence and then forward to the Task Force for the sitrep. You don't need to send it back to me.

(b)(5)

Thanks.

Ron

Fukushima NPP Status

(b)(5)

(b)(5)

This email is UNCLASSIFIED.

From: Peko, Damian <Damian.Peko@Nuclear.Energy.gov>
Sent: Saturday, March 19, 2011 11:37 PM
To: Devercelly, Richard
Cc: Monninger, John; 'Tony.ulsess@nrc.gov'; Kelly, John E (NE); Goldner, Frank; Griffith, Andrew
Subject: FW: [Fukushima Daiichi] Status on spent fuel pools (as of March 17th at 11AM).
Attachments: 1F4 Pool Location.pdf; 1F5 Pool Cooling Years.pdf; 1F5 Pool Location.pdf; 1F6 Pool Cooling Years.pdf; 1F6 Pool Location.pdf; 1F Common Pool Cooling Years-1.pdf; 1F Common Pool Cooling Years-2.pdf; 1F Common Pool Cooling Years-3.pdf; 1F Common Pool Cooling Years-4.pdf; 1F Common Pool Location -1.pdf; 1F Common Pool Location -2.pdf; 1F Common Pool Location -3.pdf; 1F Common Pool Location -4.pdf; 1F Common Pool Location All.pdf; 1F Fuel Data (Burnup Cooling Duration) .xls; 1F1 Pool Cooling Years.pdf; 1F1 Pool Location.pdf; 1F2 Pool Cooling Years.pdf; 1F2 Pool Location.pdf; 1F3 Pool Cooling Years.pdf; 1F3 Pool Location.pdf; 1F4 Pool Cooling Years.pdf

Rick, et al

Attached are the spent fuel pool maps we discussed. Please let me know if you have any more questions.

Thanks

Damian

From: Masayuki Yamamoto [mailto:yamamoto.masayuki@tepcoco.jp]
Sent: Saturday, March 19, 2011 7:27 PM
To: Masayuki Yamamoto; Bisconti, Giulia; 'Tateiwa, Kenji'; Miller, Tom; Gillespie, Mary; McGinnis, Edward; Peko, Damian; Schwab, Patrick; Kelly, John E (NE)
Cc: 松尾 建次; Nagano
Subject: Re: [Fukushima Daiichi] Status on spent fuel pools (as of March 17th at 11AM).

Please see attached files for your assessment.

"IF (Irradiated Fuel)" in 1F4 Pool Cooling Years.pdf indicates fuels to be reloaded after the refueling outage at the time of the earthquake.

Masayuki Yamamoto

Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
Phone: 202-457-0790
E-mail: yamamoto.masayuki@tepcoco.jp

----- Original Message -----

From: Masayuki Yamamoto
To: Bisconti, Giulia; 'Tateiwa, Kenji'; Miller, Tom; Gillespie, Mary; McGinnis, Edward; Peko, Damian; Schwab, Patrick
Cc: 古塚 伸一; 古谷 隆志; Masanori MOROZIMI; 唐澤 利史; ikuo.nishimura@tepcoco.jp; 松本 純; TAKEDA.KAZUHITO@tepcoco.jp; koyabu.hitoshi@tepcoco.jp; otani.tsuyoshi@tepcoco.jp; 福田 将吾;

fujitani.keiichi@tepco.co.jp; TEPCO Hiroo Yamamoto; 長谷川 和弘; 伊藤 裕太; 菊池 遼太郎; 小笠原 健二; 新井 卓; 中村 真哉; 中村 美帆子; 木村 正和; 鈴木 満康; 古川 健太郎; 曾野 明久; 岡 リツ子; 小島 英夫; 原田 克也; 秋本 展秀; 地引 嘉彦; 上野 徹; 市川 善隆; 堤 直己; 西村 冬彦; 矢島 聡; 川野 泰; 宮崎 輝; 丸山 浩二; 酒井 敦正; 幸坂 直樹; 為井 学; 仰木 佐和子; 神成 浩次; 萩尾 栄治; 永井 義一; 阪本 敏康; 南井 享; 中山 晋介; 松田 健; 伊藤 公宏; 安橋 正隆; 西岡 宏晃; 松下 大輔; 小西 信二; 渡邊 裕一; 大久保 信明; Masato Muto; 川上; 畠山 徹也; ishii.katsuhiko@tepco.co.jp; endo.jun@tepco.co.jp; shinichi.yoshida@tepco.co.jp; watanabe.yoshinori@tepco.co.jp; matsuo.kenji@tepco.co.jp; yuichi.nagano@tepco.co.jp; 中嶋 まどか; 田口 祥一; Tomomi Akita TEPCO; 岩田 健吾; 馬場 彰; 今泉 佳章; 大嶋 潤; 北島 多佳子; 久玉 敏郎

Sent: Saturday, March 19, 2011 5:48 PM

Subject: Re: [Fukushima Daiichi] Status on spent fuel pools (as of March 17th at 11AM).

Dear Giulia,

I have requested information on the fuel layout in the pool
and my colleagues in corporate office started gathering data.
Necessary data will be available soon.

Regards,
Masayuki Yamamoto

Manager, Nuclear Power Programs
Tokyo Electric Power Company
Washington Office
Phone:202-457-0790
E-mail:yamamoto.masayuki@tepco.co.jp

----- Original Message -----

From: Bisconti, Giulia

To: 'Tateiwa, Kenji'; Miller, Tom; Gillespie, Mary; McGinnis, Edward; Peko, Damian; Schwab, Patrick

Cc: 古塚 伸一; 古谷 隆志; Masanori MOROZIMI; 唐澤 利史; ikuo.nishimura@tepco.co.jp; 松本 純;

TAKEDA.KAZUHITO@tepco.co.jp; koyabu.hitoshi@tepco.co.jp; otani.tsuyoshi@tepco.co.jp; 福田 将吾;

fujitani.keiichi@tepco.co.jp; TEPCO Hiroo Yamamoto; 長谷川 和弘; 伊藤 裕太; 菊池 遼太郎; 小笠原 健二; 新井 卓; 中村 真哉; 中村 美帆子; 木村 正和; 鈴木 満康; 古川 健太郎; 曾野 明久; 岡 リツ子; 小島 英夫; 原田 克也; 秋本 展秀; 地引 嘉彦; 上野 徹; 市川 善隆; 堤 直己; 西村 冬彦; 矢島 聡; 川野 泰; 宮崎 輝; 丸山 浩二; 酒井 敦正; 幸坂 直樹; 為井 学; 仰木 佐和子; 神成 浩次; 萩尾 栄治; 永井 義一; 阪本 敏康; 南井 享; 中山 晋介; 松田 健; 伊藤 公宏; 安橋 正隆; 西岡 宏晃; 松下 大輔; 小西 信二; 渡邊 裕一; 大久保 信明; Masato Muto; 川上; 畠山 徹也; ishii.katsuhiko@tepco.co.jp; endo.jun@tepco.co.jp; shinichi.yoshida@tepco.co.jp; watanabe.yoshinori@tepco.co.jp;

matsuo.kenji@tepco.co.jp; TEPCO-Washington YAMAMOTO Masayuki; yuichi.nagano@tepco.co.jp; 中嶋 まどか; 田口 祥一;

Tomomi Akita TEPCO; 岩田 健吾; 馬場 彰; 今泉 佳章; 大嶋 潤; 北島 多佳子; 久玉 敏郎

Sent: Saturday, March 19, 2011 4:52 PM

Subject: RE: [Fukushima Daiichi] Status on spent fuel pools (as of March 17th at 11AM).

Dear Kenji:

Can you kindly help answer this question for our experts? The specific arrangement of the spent fuel in the Unit 4 pool will affect our estimates of the peak temperature in the pool. We appreciate your precious time.

Giulia

From: Schwab, Patrick
Sent: Friday, March 18, 2011 6:41 PM
To: Peko, Damian
Cc: Schwab, Patrick
Subject: Fukushima spent fuel pools

Damian,

I am working on the DOE Office of Nuclear Energy's response team, under John Kelly. Do you have information from TEPCO on how they arranged the spent fuel in the pools before the earthquake? In particular, did they store all the hotter fuel elements close to each other? Or did they spread them out, with older, cooler fuel assemblies stored in between the hotter fuel assemblies? We are especially interested in the Unit 4 pool, of course.

Thank you for your help.

Pat

Patrick R. Schwab, Ph.D.
Office of Nuclear Energy
Department of Energy
301-903-8186
Room E-479 Germantown Bldg.
patrick.schwab@nuclear.energy.gov

From: RMTPACTSU_LC <RMTPACTSU_LC@ofda.gov>
Sent: Saturday, March 19, 2011 11:15 PM
To: RMT_PACTSU; DART_PACTSU
Cc: (b)(6)
(b)(6) PLong@fire.lacounty.gov; OFDALogistics [USAID]
Subject: RE: Wheels up! (Again) USAR Team is headed LA to Fairfax

The pilot must have reported it off the gate, because it's electronically reporting as departed and I also received email of same from the carrier.

Additionally, I just received a revised schedule: ETA is now 0330 Local.

~Pat

Todd Horne / Pat Long / Rob Thibault
Logistics Coordinator
202-712-0039 x-5706

From: Perks, Dewey(DCHA/OFDA) [mailto:dperks@usaid.gov]
Sent: Saturday, March 19, 2011 10:48 PM
To: RMTPACTSU_LC; RMT_PACTSU; DART_PACTSU
Cc: (b)(6)
PLong@fire.lacounty.gov; OFDALogistics [USAID]
Subject: Re: Wheels up! (Again) USAR Team is headed LA to Fairfax

We are still at the gate...just now starting to push-back

From: RMTPACTSU_LC <RMTPACTSU_LC@ofda.gov>
To: OFDAGOV; RMT_PACTSU; OFDAGOV: DART_PACTSU
Cc: (b)(6)
(b)(6)
(b)(6); plong@fire.lacounty.gov <plong@fire.lacounty.gov>; OFDALogistics

Sent: Sat Mar 19 22:46:09 2011

Subject: Wheels up! (Again) USAR Team is headed LA to Fairfax

Well, the USAR teams landed in Los Angeles where the USA-2 Team disembarked.

Getting USA-1's baggage re-checked took a bit longer than anticipated, so there is a slight delay in their original schedule. (1 hour delay)

The USA-1 Team is now WHEELS UP. Enroute Dulles. They have a 4 hour, 15 minute flight time and are expected into IAD at **0245 local time**.

Once they collect their luggage, the team will be bussed back to their headquarters, located at:

Fairfax County Fire and Rescue Academy
4600 West Ox Road
Fairfax, Virginia 22030
Support Center #: (703) 815-5525

ALL ARE WELCOME TO ATTEND A BRIEF HOMECOMING CELEBRATION AT THE ABOVE ADDRESS. (Sorry it's so late)

You can track the flight on Flight Tracker if you wish.
www.flightstats.com Delta Flight 8968 LAX – IAD

For those that love the details, here are their actual times:
Departed MSJ 2210L, arrived LAX 1537L
Departed LAX 1900L – Planned 4 hr 15 min flight time.

Have a great night. I'm looking forward to sending a wheels down notification soon!
~Pat

Todd Horne / Pat Long / Rob Thibault
Logistics Coordinator
202-712-0039 x-5706

From: RMTPACTSU_LC
Sent: Saturday, March 19, 2011 9:10 AM
To: RMT_PACTSU; DART_PACTSU
Cc: USAR Support Fairfax ([REDACTED] (b)(6)); USA-2 Logistics ([REDACTED] (b)(6));
USA-2 USAR DST ([REDACTED] (b)(6)); USA-2 USAR Team ([REDACTED] (b)(6))
Subject: Wheels up! USAR Team is headed home

Hello all,
Your USAR team has departed Misawa Air Base and is headed home. They will fly directly to LAX (Los Angeles), where they will go through a streamlined customs procedure. After the LA Team is released, the Fairfax team will re-board and continue on to IAD (Dulles).

They were able to get out an hour earlier than scheduled and have an updated arrival time into LAX at 1530 Local (Los Angeles)

The Logistics team will work on getting an updated ETA into Dulles also. For now you can probably safely take an hour off the original arrival time of 0145 Local (Washington DC) but please stay tuned for a better arrival time.

Below is a photo of their ride. Have a great Saturday morning, wherever you are.
Cheers!
~Pat

Todd Horne / Pat Long / Rob Thibault

Logistics Coordinator

202-712-0039 x-5706

From: RST01 Hoc
Sent: Saturday, March 19, 2011 11:08 PM
To: Foggie, Kirk; Casto, Chuck; Monninger, John
Subject: FW: lab paper about seawater impact to Rx chem
Attachments: SW in Rx chem paper.pdf

-----Original Message-----

From: Bell, Stephen T CIV SEA 08 NR [mailto:(b)(6)]
Sent: Saturday, March 19, 2011 3:29 PM
To: RST01 Hoc
Subject: FW: lab paper about seawater impact to Rx chem

Please print a copy of the attached white paper from Bettis and KAPL.

From: Steinhurst, Laurel A CIV SEA 08 NR
Sent: Sat 3/19/2011 3:02 PM
To: Bell, Stephen T CIV SEA 08 NR; Arcidiacono, Dominic A (Contractor)
Subject: lab paper about seawater impact to Rx chem

See attached for discussion....I will call Laurel

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Saturday, March 19, 2011 10:34 PM
To: DART_PACTSU
Cc: RMTPACTSU_INC
Subject: 0800 Mar 20 - Running Update on Japan Emergency (running file attached)
Attachments: 2011-03-20 running updates on Japan emergency with times 1100 - Mar 20.docx

10:28 March 20, 2011 Sunday (Fuji TV: DCCS Fukuyama comments on Roos-Kan meeting) Deputy Chief Cabinet Secretary Tetsuro Fukuyama commented on the Fuji TV "Shin Hodo 2001" regarding the view that the Japanese government cannot control the radiation leak at Fukushima Daiichi nuclear power plant accident, "USG's nuclear institution has repeatedly issued press releases that the Japanese government is dealing with the problem appropriately. PM Naoto Kan has met and explained that to Ambassador Roos." He also said, "people around the world are nervous about the nuclear power plant accident. The government is taking steps to provide information in English, and make efforts to fill the gap in understanding quickly."

10:12 March 20, 2011 Sunday (Sankei News online: Fukushima Prefecture Iwaki City Mayor distributes iodine tablets to 150,000 residents) City Mayor Watanabe has distributed iodine tables to 150,000 residents. Since these tablets have some side effects and dosage varies by age, the distribution must be conducted by the central government's instructions based on the Nuclear Disaster Special Measure Act. However, since there are no instructions from the central government, the city has started distribution on the 18th, in order to ease the fear of residents. The Mayor noted in a message on the city's website that this is only a precaution measure responding to the resident's frustrations. The city has been receiving many inquiries from their residents. The city Pharmaceuticals' association is cooperating in distribution, but the the Mayor urged the citizens not to take any until further instruction from the city government. The city government has established a window to consult with residents regarding the iodine tables.

10:09 March 20, 2011 Sunday (NHK: USFJ airlifts medican supplies.) USFJ has airlifted six tons of pharmaceuticals to Sendai Airport from a Japanese medical association.

10:00 March 20, 2011 Sunday (NPA: Latest casualty figures): The National Police Agency reported as of 09:00 on March 20 that 7,700 persons are confirmed dead, 11,651 are reported missing and 2,612 were injured in the earthquake and tsunami on March 11.

09:14 March 20, 2011 Sunday (NHK: DCCS Fukuyama discusses Kan - Roos Meeting) DCCS Fukuyama touched on a meeting yesterday evening (3/19) between Prime Minister Kan and Am bassador Roos. In the interview, he expressed his gratitude to the United States for its cooperation in responding to the ongoing accident at the Fukushima Daiichi Nuclear Power Plant. "The United States says it will provide any support. Actually, the United States, including U.S. Forces Japan, has delivered on its promise. We appreciate the United States."

08:30 March 20, 2011 Sunday (NHK: SDF started watering the spent fuel pool of reactor #4 of Fukushima Daiichi at 8:20 am.)

07:52 March 20, 2011 Sunday (Jiji: TEPCO power recovery at Fukushima Daiichi continues, radiation in the area declines) The power source recovery work for reactor #1 and #2 at Fukushima Daiichi still continues into the 20th. The cables from outside source have been connected. TEPCO is planning to supply power to transformer of #2 reactor today. If they succeed in recovering pumping operations to use ECCS, it will be a big step toward cooling of the reactor. On the other hand, for reactor #3, the Tokyo Fire Department has poured water for 13 hour and a half. The SDF will start their first watering onto reactor #4 this morning. TEPCO is planning to supply outside power source to reactor #4, but it depends on how the watering of reactor #4. According to TEPCO, reactor #2 is the least damaged among those four reactors, and the company is hoping that pumps will work when the power source is recovered. Yesterday, the cooling systems of reactor #5 and #6 have been recovered, and the temperature of the pool water dropped. After the watering of reactor #3 by the Tokyo Fire Department, the radiation level has dropped dramatically in the surrounding area. Osaka City Fire Department and other emergency fire fighter troops are to join the effort.

01:36 March 19, 2011 (AP: Fukushima water tested above safe limit 2 days ago) TOKYO - Radioactive iodine in drinking water was at one point above government safety limits in the prefecture that hosts a radiation-spewing nuclear plant, the Health Ministry said late Saturday after reporting that trace amounts had also been detected in Tokyo and five other prefectures. The Health Ministry said in a statement that iodine levels slightly above the limit were detected Thursday in Fukushima prefecture, the site of the Fukushima Dai-ichi nuclear power plant where workers are scrambling to prevent radiation leaks. On Friday, levels were about half that benchmark, and by Saturday they had fallen further.

23:07 March 19, 2011 Saturday (TV Asahi: Ambassador meets with PM Kan) TV Asahi reported on a meeting last evening between Prime Minister Kan and Ambassador Roos, in which PM Kan was quoted as stressing that his government will share information with the international community about the ongoing accident at the Fukushima Daiichi Nuclear Power Plant. In the program, the Ambassador was quoted as saying the United States is "ready to provide any support" to cooperate in responding to the nuke plant accident.

21:32 March 19 21:32 March 19, 2011 Saturday (Sankei News: No radioactivity found in water in Kanagawa) Responding to the news that radioactive iodine and cesium were detected in tap water in Fukushima city, Kanagawa prefecture has examined the tap water of prefecture's health institution in Chigasaki. Kanagawa Prefecture announced that there was no detection of iodine and cesium. The Prefecture will continue the test once a day.

20:30 March 19, 2011 Saturday (Nikkei.com: Kan Vows To Share Info On Nuclear Crisis With U.S.) TOKYO (Kyodo)--Prime Minister Naoto Kan told U.S. Ambassador to Japan John Roos on Saturday that Japan will continue to share all necessary information with the United States regarding the nuclear crisis involving the Fukushima Daiichi power station crippled by last week's quake and tsunami. Kan also thanked Roos for providing all kinds of assistance since the March 11 twin natural disasters, according to Deputy Chief Cabinet Secretary Tetsuro Fukuyama who briefed the press about their meeting. "The United States is absolutely committed to providing any assistance, humanitarian or otherwise," Roos told reporters after the meeting, which lasted for nearly one hour at the premier's office. The ambassador also said, "We have no doubt that the people in Japan will rebuild in the days, months and years to come."

(http://e.nikkei.com/e/fr/tnks/Nni2011_0319D19JF472.htm
<<http://e.nikkei.com/e/%20fr/tnks/Nni20110319D19JF472.htm>>)

20:45 March 19, 2011 Saturday (TBS TV: PM Kan Ambassador Roos Meeting) PM Kan told Ambassador Roos regarding Fukushima Nuclear Power Plant problem that Japan will continue to provide accurate information to the international community. Also, he said that Japan and the US should share the sense of tension and make our best efforts. Ambassador was quoted as replying to PM Kan, "The US is really concerned about Japan's situation as our ally, we are hoping everything goes well. We are willing to provide assistance with our utmost effort."
http://news.tbs.co.jp/newseye/tbs_newseye4678417.html

20:42 March 19, 2011 Saturday (Asahi Online: Kan-Roos Meeting) PM Kan met with U.S. Ambassador to Japan John Roos at the Kantei (PM Residence) in the early evening of March 19. He told the Ambassador that: "Japan will continue to disclose all information on the accident at the Fukushima Daiichi Nuclear Plant to the international community. Although the situation is still very challenging, I will do everything I can to deal with this situation." Roos emphasized that the U.S. government will do everything in its power to help the victims of the Great East Japan Earthquake and to respond to the nuclear power plant accident. He said: "The United States, as an ally, is concerned about Japan." Kan had asked Roos to come to the meeting.

20:42 March 19, 2011 Saturday (Asahi Online: Kan-Roos Meeting) PM Kan met with U.S. Ambassador to Japan John Roos at the Kantei (PM Residence) in the early evening of March 19. He told the Ambassador that: "Japan will continue to disclose all information on the accident at the Fukushima Daiichi Nuclear Plant to the international community. Although the situation is still very challenging, I will do everything I can to deal with this situation." Roos emphasized that the U.S. government will do everything in its power to help the victims of the Great East Japan Earthquake and to respond to the nuclear power plant accident. He said: "The United States, as an ally, is concerned about Japan." Kan had asked Roos to come to the meeting.

CDC Information for Humanitarian Aid Workers in Japan: The CDC has information on its website for humanitarian aid workers operating in Japan or planning to travel to Japan. This information can be viewed at:
<http://wwwnc.cdc.gov/travel/content/news-announcements/2011-earthquake-tsunami-humanitarian-aid-workers.aspx>
<<http://wwwnc.cdc.gov/travel/content/new%20s-announcements/2011-earthquake-tsunami-humanitarian-aid-workers.aspx>>

SBU

This email is UNCLASSIFIED.

From: Whitney, Thomas C

Subject: 0800 Mar 20 - Running Update on Japan Emergency (running file attached)

08:00 March 20, 2011 Sunday (U.S. Embassy Internet Outage Complete) The U.S. Embassy completed the installation of a backup power generation source earlier this morning and OpenNet is up and running.

07:52 March 20, 2011 Sunday (Jiji: TEPCO power recovery at Fukushima Daiichi continues, radiation in the area declines) The power source recovery work for reactor #1 and #2 at Fukushima Daiichi still continues into the 20th. The cables from outside source have been connected. TEPCO is planning to supply power to transformer of #2 reactor today. If they succeed in recovering pumping operations to use ECCS, it will be a big step toward cooling of the reactor. On the other hand, for reactor #3, the Tokyo Fire Department has poured water for 13 hour and a half. The SDF will start their first watering onto reactor #4 this morning. TEPCO is planning to supply outside power source to reactor #4, but it depends on how the watering of reactor #4. According to TEPCO, reactor #2 is the least damaged among those four reactors, and the company is hoping that pumps will work when the power source is recovered. Yesterday, the cooling systems of reactor #5 and #6 have been recovered, and the temperature of the pool water dropped. After the watering of reactor #3 by the Tokyo Fire Department, the radiation level has dropped dramatically in the surrounding area. Osaka City Fire Department and other emergency fire fighter troops are to join the effort.< /o:p>

07:03 March 20, 2011 Sunday (NHK: One more emergency generator restored at Fukushima) NHK reported that another emergency power generator has been restored at the TEPCO Fukushima Daiichi Nuclear Power Plant. In this connection, NHK also said the temperature of water in its No. 5 reactor's spent fuel rod cooling pool went down from 68.8 degrees (as of 5 a.m. 3/19) to 43.1 degrees at 3 a.m. today (3/20), and the No. 6 reactor's cooling pool from 67.5 degrees (as of 11 p.m. 3/19) to 52 degrees at 3 a.m. today (3/20).

7:11 March 20, 2011 Sunday (Putin offers LNG to Japan) Russian Prime Minister Putin revealed at a conference in Sakhalin that Russia might be able to supply Japan 4 million tons of LNG&n bsp;within the timeframe of about 3 months. In the evening of the 19th, Putin discussed the supply plan of oil and LNG in Russian Far East with government officials and executives of industry in a conference held in Yuzhno-Sakhalinsk. In that discussion, Putin noted that it was possible Russia could supply Japan where power is in short supply, 4 million tons of LNG which is currently scheduled to go to Europe. Putin also said that in order to remove fear of radiation in the Russian Far East, he will closely watch the work at Fukushima Daiichi and monitor the radiation of goods delivered from Japan.

06:45 March 20, 2011 Sunday (NHK: U.S. military choppers bring 7 tons kerosene to Kesennuma) U.S. military choppers have arrived in the city of Kesennuma, Miyagi Prefecture, with over 7 tons of kerosene onboard, and Grou nd Self-Defense Force troops carried the airlifted drum cans to facili ties in the city right away.

06:22 March 20, 2011 Sunday (Kyodo: International relief efforts coming in) The 10th day since the earthquake has passed. So far 13 countries have shipped relief aid such as blankets and water. Canada sent 25,000 blankets. 30,000 packages of (ready to eat) rice and 230,000 bottled water were sent from Korea. 500 oil motors came from Taiwan.

06:22 March 20, 2011 Sunday (Kyodo: Casualty figures) As of 23:00, NPA announced the death toll was 7,653, with 11,746 missing, the total number reached 19,399. So far 26,000 have been rescued. 120,000 personnel from SDF, Fire Department and Police are working on the rescue operation.

04:46 March 20, 2011 Sunday (NHK: SDF decides to spray water on No. 4 reactor on Sunday): NHK-TV reported on its website at 4:11 that the SDF has decided to spray water onto the No.4 reactor to cool down the spent fuel rod storage pool on Sunday. The network said that, according to the Defense Ministry, several dozen tons of water will be sprayed through holes on the roof and wall of the building housing the reactor. In addition, the network noted that radiation levels around the No.4 reactor remain high, adding that the SDF is expected to use a fire truck that allows them to spray water while staying inside.

04:27 March 20, 2011 Sunday (NHK: IAEA begins measuring radiation levels in Tokyo area): NHK-TV reported on its website at 4:11 that a team of four IAEA nuclear experts has begun measuring radiation levels in the Tokyo metropolitan area on Saturday. According to the network, the team, equipped with a special device that can detect extremely small amount of radioactive substances in air and soil, began measuring radiation levels near the Imperial Palace in Chiyoda-ward, Tokyo on Saturday afternoon. The network said the team also took measurements in Saitama and Tochigi prefectures, and is hoping to do so near the Fukushima Daiichi nuclear power plant by coordinating with the GOJ and TEPCO. The results will be analyzed at IAEA headquarters and reported to IAEA members.

05:00 March 20 2011 Sunday (DOD Clarifies Voluntary Authorized Departure): The Department of Defense issued an update March 18 to the order of Voluntary Authorized Departure, clarifying that this order applies to EFMs located in the Tokyo Capital Region and the prefectures of Kanagawa, Aichi, Chiba, Fukushima, Gunma, Ibaraki, Iwate, Miyagi, Nagano, Niigata, Saitama, Shizuoka, Tochigi, Yamagata, Aomori, Akita and Yamanashi.

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SBU

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce

Subject: 0400 Mar 20 - Running Update on Japan Emergency (running file attached)

04:00 March 20, 2011 Sunday (Sankei: Discrepancy between USG and GOJ on state of spent fuel pool of No.4 reactor): Sankei reported on its website at 22:47 that the USG and the GOJ appear to have a different take on the state of the spent fuel pool of the No.4 reactor. The daily said that while Japan began its preparation for water spraying operations by the SDF for the No.4 reactor on Saturday, U.S. experts were pointing out that water is leaking from a crack in the spent fuel pool and that "nothing can be done." The daily said that TEPCO's failure to confirm the water level and temperature of the No. 4 reactor due to high levels of radiation is the source of "discrepancy" between the two countries. The daily said US media such as the Los Angeles Times and the New York Times reported online on Friday that several NRC experts pointed out there is a crack or a hole in the pool which is making it extremely difficult to refill the water. According to the daily, Defense Minister Kitazawa said at a press briefing on Saturday that although he has heard about the U.S. views, the surface temperature of the reactor is below 100 degrees Celsius and the water inside the pool is cooling the reactor. The daily also said NISA told the paper on Saturday that although the water level appears to be falling, there is no indication that there is no water inside.

03:54 March 20, 2011 Sunday (UK Distributes Iodine Tablets to British Nationals): In a March 19 notice to British nationals who remain in Tokyo and Northern Japan, the British Foreign Office advised its citizens that their Embassy in Tokyo is distributing iodine tablets as a contingency measure to British citizens in Tokyo, Sendai and Niigata. The notice advises citizens that the tablets should be taken if radiation levels increase in a "significant way," and in the case of Tokyo, this would occur only in a worst case scenario. Tablets should be taken when the UK or Japanese Government advises people to do so or the Japanese authorities advise people to take shelter. To see the full notice: <http://www.fco.gov.uk/en/news/latest-news/?view=News&id=569092482> <<http://www.fco.gov.uk/en/news/latest-news/?view=News&id=569092482>>

03:35 (Yomiuri: USG offers to provide 4 large water pumps): Yomiuri reported online at 3:04 that it learned on Saturday that the USG has offered the GOJ four large-scale water pumps that can pump and spray seawater on a 24 hour basis. According to the paper, the equipment is remotely controllable and one each is expected to be installed at reactors No. 1 to No.4. The daily said the GOJ is planning to accept the U.S. offer.

02:56 March 20, 2011 Sunday (Yomiuri: U.S. choppers deliver heating oil to shelter in Onagawa, Miyagi): Yomiuri reported online at 20:40 that three U.S. military helicopters on Saturday afternoon delivered a total of fifteen 200-liter drums of heating oil to a gymnasium in Onagawa, Miyagi, where about 870 people had been evacuated. The daily quoted a woman at the gym as saying: "I was worried because I heard that fuel at the shelter is running out. It's still cold during the night, so I am really happy for the support."

02:33 March 20, 2011 Sunday (Sankei: GOJ considering putting Fukushima nuclear plant under SDF supervision): Sankei reported on its website at 1:30 that several senior GOJ officials disclosed on Saturday that the GOJ is considering putting the Fukushima Daiichi nuclear power plant under the supervision of the SDF. The daily said that the move is aimed at having the SDF lead the efforts to remove the debris around the nuclear power plant, which has been an obstacle to the efforts to spray water and restore power there.

SBU

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce

Sent: Sunday, March 20, 2011 2:07 AM

To: JapanEmbassy, TaskForce; Ou, Andrew H; Masuda, Tracy L; Dudley, Katherine F; Sim, Hyon B; Mears, Jeremy M; Lee, Ti-Ying; Ryan, Emmett Jerome; Hotz, Raymond E; Chen, Perry Y; Burleson, Edward C; Wakahiro, Gary S; Utschig, Andrew S; Bernier-Toth, Michelle; Fitzgerald, Paul M; Zareski, Karen B; Shelbourn, Brian L; Cubas, Jason R; Christopher, William W; Kaneshiro, Claire K; Greene, Raymond F; Stewart, Jonas D; Ries, John N; Dong, Edward K; Jenks, Darrell A; Washburn, Lisa L; Tokyo-Visa-Officers-DL; Roos, John; Luke, Robert S; Ries, John N; Dong, Edward K; Stewart, Jonas D; Greene, Raymond F; Cubas, Jason R; Fuller, Matthew G; Basalla, Suzanne I; Hinds, Lynda J; (b)(6) Cherry, Ronald C; Dresser, Heather L (EAP/J); TOKYO POL All; Wood, Robert A; Nawn, Jeff; Angelov, Bonnie A; Kelley, Karen D (IO/Tokyo); 'emagee@ofda.gov'; Wiggin, Geoffrey W; Wiggin, Geoffrey W; Cle ver, Jennifer A; Nawn, Jeff; Shnitzler, Steve D; Tong, Kurt W; Largent, Dale A

Cc: Zumwalt, James P; Chipman, Alan R; Engstrom, Aaron; Forbes, James A; Martin, Timothy W; Rathweg-Weitz, Abbey H; Whitten, Richard V; Young, Joseph M; Operations Center; Young, Joseph M; Lyons, Thomas H; CA-Taskforce; Snider, Marc A; Kaneshiro, Claire K; SES-O; SES-O_CMS; Lyons, Thomas H; Snider, Marc A; Yoo, Donny H; Tomlinson, Christina; Roberts, Richard M; Kaneshiro, Claire K; Avecilla, Juan T; Chadwick, Michael J; Dieker, Mark S; CA-Taskforce; Ponce, Timothy F; Korff, Meena F; TaskForce-1; CA-Taskforce; Brown, Benjamin A; Wuebbels, Mark C; Osaka-Kobe All State Americans; Sapporo ALL; Naha All; Fukuoka Americans; Nagoya-Americans-DL; Yokohama-FSI-DL; TOKYO ECON Americans; Tilman, Justin E; 'justin.tilman@nasa.gov'; Sakurai, Joy M; Stewart, Bruce J; Sauer, David M;

(b)(6) Morales, Russell A; 'russ@earthtabi.com'; 'lia.hoc@nrc.gov'; (b)(6) Weinhold, Laura M (Jamie); Maw, Aye Aye; Clever, Thomas S (Scott); Japan-Embassy-Task-Force-DL; Huff, Michael P; Kaproth, Robert K; 'Robert.Kaproth@treasury.gov'; Mace, Casey K; Duncan, Aleshia D; Cherry, Ronald C; 'Damian.Peko@Nuclear.Energy.gov'; (b)(6) 'aleshia.duncan@nuclear.energy.gov'; 'edward.meginnis@nuclear.energy.gov'; King, Terri L; Hefner, Timothy B; Tanaka, Rodney S; Napier, Bradford; Till, Laura A; Walsh, Cody C; Brunette-Chen, Rachel; Toko, Kenichiro (Ken); 'Huntington, Miki T LTC USA USFJ J54'; Kimura, Ayako; Toledo, Ana Y; Oikawa, Yufuko; Basalla, Suzanne I; Luke, Robert S; Zumwalt, James P; (b)(6) 'Wiltse, Jeffrey S COL USA USFJ J5'; 'Epstein, Daren A GS-14 USFJ J5'; 'Caballero, Leo F LTC USA USFJ J52'; 'Tran, John D Maj USAF USFJ J5'; Nylin, John D (TDY/POL); Nylin, John D; TaskForce-3; (b)(6); Quade, Christopher P; Hoffmann, Phillip P; Kelley, Karen D (IO/Tokyo); Sabin, Burritt H; Shoemaker, Lori A; 'john.peters @trade.gov'

Subject: 0200 Mar 20 - Running Update on Japan E mergency (running file attached)

02:00

01:47 March 20, 2011 Sunday (TV-Asahi: President Obama's video message refers to Japan): TV-Asahi reported at 0:10 that President Obama referred to Japan in his video message to the public that was aired on Saturday. The President was quoted as saying: "In recent days we've seen turmoil and tragedy in the world, from change in the Middle East and North Africa to the earthquake and tsunami in Japan. We will continue to stand with the people of Japan in their greatest hour of need."

01:39 March 20, 2011 Sunday (Latest NPA casualty statistics as of 3/19 23:00): 7,653 dead; 11,746 missing; 2,583 injured

01:35 March 20, 2011 Sunday (Yomiuri: Summary of various foreign countries' evacuation policies): The March 19 edition of the Yomiuri newspaper compiled the following list of evacuation recommendations and measures taken by various foreign countries:

U.S.: Advises evacuation within 80km radius of Fukushima; charter flight to Taiwan for 100 Americans; authorized departure for diplomatic dependents

UK: Advises evacuation within 80km radius of Fukushima; charter flight to Hong Kong

France: Advises departing Japan or moving south of Tokyo; 241 people flown to Seoul on a government plane; orders Air France to increase flights

Italy: Advises departing Japan or evacuating Tokyo and regions north; considering chartered flights

Switzerland: Advises evacuation from affected areas and Tokyo, Yokohama; considering chartered flights

Austria: Advises evacuation from Japan or Tokyo, Yokohama?

Spain: Advises evacuation within 120 km radius of Fukushima; charters flights

Russia: Sends transport aircraft?

Belgium: Sends military aircraft

Czechoslovakia: 106 people flown home on military airplane

Croatia: Advises departing Japan or moving to southern part of Japan

Australia: Advises evacuation within 80km radius of Fukushima

New Zealand: Advises evacuation within 80km radius of Fukushima

South Korea: Advises evacuation within 80km radius of Fukushima

Singapore: Advises evacuation within 100km radius of Fukushima

Finland: Advises evacuation from Tokyo and regions north

Serbia: Advises departure from Japan

Israel: Advises evacuate from Tokyo to west Japan

Germany: Advises evacuation from Japan or Tokyo, Yokohama?

Taiwan: Advises old people, children and women to consider departing Japan.

01:00 March 20, 2011 Sunday (Nikkei: TEPCO began cooling No. 6 spent fuel pool Saturday evening): Nikkei reported online at 0:40 that TEPCO began cooling the spent fuel pool of the No.6 reactor at about 22:00 on Saturday, using a temporarily-installed diesel-powered generator. The daily said that the temperature of the pool was 67.2 degrees Celsius at 22:00 on Saturday. According to the daily, TEPCO believes that the temperature is gradually decreasing. The daily also said TEPCO is hoping to lower the temperature to 30 degrees Celsius.

00:12 March 20, 2011 Sunday (Jiji: MHLW reveals radioactive iodine-131 found in tap water in Kawamata, Fukushima): Jiji Press reported at 23:47 that the Ministry of Health, Labor and Welfare (MHLW) revealed today that radioactive iodine-131 above normal levels had been detected in tap water in Kawamata, Fukushima, on Thursday. However, Jiji reported that radiation levels then dropped back below normal levels for both Friday and Saturday.

SBU

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce

Sent: Sunday, March 20, 2011 12:08 AM

To: Ou, Andrew H; JapanEmbassy, TaskForce; Masuda, Tracy L; Dudley, Katherine F; Sim, Hyon B; Mears, Jeremy M; Lee, Ti-Ying; Ryan, Emmett Jerome; Hotz, Raymond E; Chen, Perry Y; Burleson, Edward C; Wakahiro, Gary S; Utschig, Andrew S; Bernier-Toth, Michelle; Fitzgerald, Paul M; Zareski, Karen B; Shelbourn, Brian L; Cubas, Jason R; Christopher, William W; Kaneshiro, Claire K; Greene, Raymond F; Stewart, Jonas D; Ries, John N; Dong, Edward K; Jenks, Darrell A; Washburn, Lisa L; Tokyo-Visa-Officers-DL; Roos, John; Luke, Robert S; Ries, John N; Dong, Edward K; Stewart, Jonas D; Greene, Raymond F; Cubas, Jason R; Fuller, Matthew G; Basalla, Suzanne I; Hinds, Lynda J; (b)(6); Cherry, Ronald C; Dresser, Heather L (EAP/J); TOKYO POL All; Wood, Robert A; Nawn, Jeff; Angelov, Bonnie A; Kelley, Karen D (IO/Tokyo); 'emagee@ofda.gov'; Wiggin, Geoffrey W; Wiggin, Geoffrey W; Clever, Jennifer A; Nawn, Jeff; Shnitzler, Steve D; Tong, Kurt W

Cc: Zumwalt, James P; Chipman, Alan R; Engstrom, Aaron; Forbes, James A; Martin, Timothy W; Rathweg-Weitz, Abbey H; Whitten, Richard V; Young, Joseph M; Operations Center; Young, Joseph M; Lyons, Thomas H; CA-Taskforce; Snider, Marc A; Kaneshiro, Claire K; SES-O; SES-O_CMS; Lyons, Thomas H; Snider, Marc A; Yoo, Donny H; Tomlinson, Christina; Roberts, Richard M; Kaneshiro, Claire K; Avecilla, Juan T; Chadwick, Michael J; Dieker, Mark S; CA-Taskforce; Ponce, Timothy F; Korff, Meena F; TaskForce-1; CA-Taskforce; Brown, Benjamin A; Wuebbels, Mark C; Osaka-Kobe All State Americans; Sapporo ALL; Naha All; Fukuoka Americans; Nagoya-Americans-DL; Yokohama-FSI-DL; TOKYO ECON Americans; Tilman, Justin E; 'justin.tilman@nasa.gov'; Sakurai, Joy M; Stewart, Bruce J; Sauer, David M; (b)(6); Morales, Russell A; 'russ@earthtabi.com'; 'lia.hoc@nrc.gov'; (b)(6); Weinhold, Laura M (Jamie); Maw, Aye Aye; Clever, Thomas S (Scott); Japan-Embassy-Task-Force-DL; Huff, Michael P; Kaproth, Robert K; 'Robert.Kaproth@treasury.gov'; Mace, Casey K; Duncan, Aleshia D; Cherry, Ronald C; 'Damian.Peko@Nuclear.Energy.gov'; (b)(6); 'aleshia.duncan@nuclear.energy.gov'; 'edward.meginnis@nuclear.energy.gov'; King, Terri L; Hefner, Timothy B; Tanaka, Rodney S; Napier, Bradford; Till, Laura A; Walsh, Cody C; Brunette-Chen, Rachel; Toko, Kenichiro (Ken); 'Huntington, Miki T LTC USA USFJ J54'; Kimura, Ayako; Toledo, Ana Y; Oikawa, Yufuko; Basalla, Suzanne I; Luke, Robert S; Zumwalt, James P; (b)(6); 'Wiltse, Jeffrey S COL USA USFJ J5'; 'Epstein, Daren A GS-14 USFJ J5'; 'Caballero, Leo F LTC USA USFJ J52'; 'Tran, John D Maj USAF USFJ J5'; Nylin, John D (TDY/POL); Nylin, John D; TaskForce-3; (b)(6); Quade, Christopher P; Hoffmann, Phillip P; Kelley, Karen D (IO/Tokyo); Sabin, Burritt H; Shoemaker, Lori A; 'john.peters@trade.gov'

Subject: 0000 Mar 20 - Running Update on Japan Emergency (running file attached)

23:59 March 19, 2011 Saturday (Kyodo: 6 workers exposed to excessive radiation at Fukushima plant): Six workers at the crisis-hit Fukushima Daiichi nuclear power plant have been exposed to radiation levels beyond the limit applied to an emergency operation, Tokyo Electric Power Co. said Saturday, without elaborating on the work that they were engaged in. They are continuing to work on different tasks because they have not shown any abnormal signs since being exposed to over 100 millisieverts of radiation, the utility said. The limit has been raised to 250 millisieverts for the ongoing crisis, the worst in Japan's history, by the Health, Labor and Welfare Ministry. The government's Fire and Disaster Management Agency said separately that readings of up to 27 millisieverts of radiation were detected as of noon on around 50 employees of the Tokyo Fire Department who were decontaminated after spraying water earlier in the day at the plant's highly dangerous No. 3 reactor.

23:49 March 19, 2011 Saturday (NHK: Water temperature at No. 5 reactor dropping): NHK reported on its website at 23:31 that as a result of the restoration of the cooling system for the No. 5 reactor, the water temperature began to drop to 48.1 degrees Celsius at 18:00 on Saturday, down about 20 degrees from 68.8 degrees Celsius at 5:00 this morning. The network said that TEPCO believes that the cooling system is functioning.

23:36 March 19, 2011 Saturday (Latest NPA casualty statistics as of 3/19 21:00): 7,508 dead; 11,680 missing; 2,583 injured

23:23 March 19, 2011 Saturday (Mainichi: GOJ to provide about 600 kiloliters of gas and heating oil): Mainichi reported online at 2 2:06 that the GOJ has decided today to provide about 600 kiloliters of gasoline and heating oil to residents near Fukushima Daiichi nuclear power plant in response to a request from the Fukushima prefecture government. The daily said that although many residents within the 20-30 km radius are hoping to evacuate by themselves, many are unable to do so due to shortage of gas. The daily added that heating oil and light oil have also become scarce, and are affecting their lives. The daily said that the SDF will transport gas and oil to gas stations in the area.

23:12 March 19, 2011 Saturday (NHK: Tokyo Fire Department press conference): NHK broadcast live coverage of a press conference which began at around 22:45 by a Tokyo Fire Department official on the water-spraying mission carried out on Saturday. The official said that due to the damage from the tsunami, they could only park a pump truck at the northern part of the nuclear power plant to drop an underwater pump into the sea. He also said that the radiation level in the area came down to almost zero right after the mission began.

22:50 March 19, 2011 Saturday (Bloomberg: PM Kan calls situation "very grave"): Bloomberg reported that Prime Minister Naoto Kan said Japan's nuclear crisis remained "very grave" as forecasts indicated changing winds could start moving radiation closer to Tokyo by the end of the weekend.

22:40 March 19, 2011 Saturday (Operation Tomodachi numbers): Twitter users in Japan are re-tweeting information provided by the USG that roughly 17,000 U.S. military members, more than 100 aircraft and 14 ships are involved or prepared to assist in relief operations in Japan.

22:30 March 19, 2011 Saturday (Kyodo: Traces of radioactive iodine found in Tokyo tap water): Kyodo reported that slight amounts of radioactive iodine have been detected in tap water in Tokyo, its vicinity and most prefectures neighboring Fukushima, apparently due to the nuclear crisis at the Fukushima Daiichi nuclear power plant. While the substance was found in Tochigi, Gunma, Niigata, Chiba and Saitama prefectures as well as Tokyo, traces of cesium have also been found in tap water in Tochigi and Gunma, according to the Ministry of Education, Culture, Sports, Science and Technology. The ministry was clear, however, that these trace amounts do not affect human health even if ingested. In Maebashi, Gunma, 2.5 becquerels of iodine and 0.38 becquerels of cesium were detected Friday per kilogram of water, the prefectural government said, adding it is the first time the substances were found since it began testing tap water for radioactive materials in 1990. The Nuclear Safety Commission of Japan limits intake of iodine at 300 becquerels per kilogram of water and of cesium at 200 becquerels.

SBU

This email is UNCLASSIFIED.

From: Ou, Andrew H

Sent: Saturday, March 19, 2011 10:28 PM

To: Ou, Andrew H; JapanEmbassy, TaskForce; Masuda, Tracy L; Dudley, Katherine F; Sim, Hyon B; Mears, Jeremy M; Lee, Ti-Ying; Ryan, Emmett Jerome; Hotz, Raymond E; Chen, Perry Y; Burleson, Edward C; Wakahiro, Gary S; Utschig, Andrew S; Bernier-Toth, Michelle; Fitzgerald, Paul M; Zareski, Karen B; Shelbourn, Brian L; Cubas, Jason R; Christopher, William W; Kaneshiro, Claire K; Greene, Raymond F; Stewart, Jonas D; Ries, John N; Dong, Edward K; Jenks, Darrell A; Washburn, Lisa L; Tokyo-Visa-Officers-DL; Roos, John; Luke, Robert S; Ries, John N; Dong, Edward K; Stewart, Jonas D; Greene,

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Subject: 2200 Mar 19 - Running Update on Japan Emergency (running file attached)

22:00 March 19, 2011 Saturday (Chiba refinery fire extinguished): The Ichihara City Fire Department in Chiba Prefecture announced today that the fire at the Cosmo Oil's Chiba refinery that was caused by the March 11 earthquake has finally been extinguished, after raging for eight days. Six employees were injured, one seriously, but amazingly no one was killed.

21:55 March 19, 2011 Saturday (Media on Roos-Kan meeting): Asahi reported that PM Kan met with U.S. Ambassador to Japan John Roos at the Kantei in the early evening of March 19. He told the Ambassador that: "Japan will continue to disclose all information on the accident at the Fukushima Daiichi Nuclear Plant to the international community. Although the situation is still very challenging, I will do everything I can to deal with this situation." Roos emphasized that the U.S. government will do everything in its power to help the victims of the Great East Japan Earthquake and to respond to the nuclear power plant accident. He said: "The United States, as an ally, is concerned about Japan." Kan had asked Roos to come to the meeting.

21:45 March 19, 2011 Saturday (Water-spraying operation extended): NHK reported that the Tokyo Fire Department's Fire & Rescue Task Force at Reactor No. 3 has extended the water-spraying operation that started around 14:00 today until 00:30, an extension of 3.5 hours.

21:30 March 19, 2011 Saturday (Fukushima government asks farms not to consume or sell any agricultural products): NHK reported that radioactive iodine in the amount of 932- 1,510 becquerels, or 3-5 times the limit under the food safety law, was detected in three raw milk samples taken from the town of Kawamata in Fukushima Prefecture March 16-18. The prefectural government is asking all dairy farms in Kawamata not to consume or sell raw milk and people within 30km of the Fukushima Daiichi Nuclear Power Plant not to consume or sell any agricultural products. Meanwhile, the Ibaraki Prefectural Environmental Radiation Monitoring Center announced that 6,100-15,020 becquerels of radioactive iodine-131, or 3-7 times the legal limit, was detected in spinach samples taken from the cities of Takahagi, Hitachi and Tokaimura.

21:15 March 19, 2011 Saturday (Damages estimated at 16 trillion yen): Sankei reported that damage from the March 11 earthquake and tsunami is estimated at around 16 trillion yen (\$200 billion), which far exceeds the 10 trillion yen (\$120 billion) caused by the Great Hanshin Earthquake in 1995. However, that prediction does not factor in the disaster at TEPCO's Fukushima Daiichi Nuclear Plant, so that estimate may climb higher yet.

21:10 March 19, 2011 Saturday (Consulate Nagoya staffing): Consulate Nagoya reports that following the authorized departure, all four direct hires and one TDYer from Tokyo remain in Nagoya, while seven dependents (including the spouse of the TDYer) flew to Detroit. Four dependents remain in Nagoya.

20:55 March 19, 2011 Saturday (Bechtel equipment in Perth bound for Japan): The Australian Defense Force has agreed to provide air transport for equipment to be used for a possible water delivery system at Fukushima-if Bechtel, which possesses the equipment in Perth, can prepare it in time for pick-up there. The aircraft has been rescheduled for takeoff tomorrow evening bound for Yokota. Once in country, an additional day will be required for set up, operational checks and operator training before deployment to Fukushima. Though it appeared the GOJ might not accept the offer in time before the Australian C-17 is scheduled to depart, the MOD eventually said it would work with MOFA to make sure the equipment can enter Japan. Meanwhile, the SDF confirmed that a new pumping truck with lengthy arm will be deployed shortly by the Tokyo Metropolitan Fire Department to increase the volume of water that can be sprayed continuously into the spent fuel pools.

20:15 March 19, 2011 Saturday (Mission Japan Consular Daily Situation Report):

Welfare and Whereabouts: The Consular Section has verified the welfare and whereabouts of 3,507 United States citizens (USC) in Japan; 1,116 remain unaccounted for. In the areas affected by the earthquake and tsunamis, 879 USC

are currently missing. After nearly a week of Consular Assistant Field Teams (CAFT) operating in the most devastated areas, there are currently just 64 unaccounted citizens: 46 in Miyagi, 10 in Iwate, and 8 in Ibaraki.

Consular Assistance Field Team (CAFT) Reports: The Miyagi CAFT assisted USC and third country nationals board the chartered buses from Sendai to Tokyo. The first bus left at 9:50AM with 21 USC, 1 Japanese national dependent, 2 Japanese nationals, and 1 Filipino journalist from the Associated Press (AP). Eleven people will get off at Tokyo Station while the remaining will continue to Narita Airport. All signed promissory notes. After the first bus departed, a NHK (the Japanese version of PBS) reporter questioned a consular officer at the boarding site, the immediate broadcast attracted an additional eight passengers. The second bus left Sendai at 4:10 pm with two USC, two Japanese dependants, and 39 Japanese citizens. Everyone on the bus will be dropped off at Tokyo Station. The third bus of the day left Sendai at 5:30 p.m. with one USC and 42 Japanese citizens. The USC did not want to get on the bus by herself, so her host father is riding with her. They will both go to Narita Airport. Everyone else will get off at Tokyo Station. The Miyagi CAFT returned home after the third bus departed. The last passenger from the March 18 chartered bus is to fly out March 20 at 2:45 PM.

Missing Amcit Taylor Anderson Update: The Miyagi CAFT went to Kowan Hospital-a hospital a few hundred meters from Ms. Anderson's house. Hospital staff reported that Ms. Anderson's house was cut off for days after the tsunami. At the hospital itself, the first floor remains unusable, but staff continue to see patients on the upper floors. The hospital staff informed the Miyagi CAFT that they had not seen any foreign nationals and only treated two victims (Japanese nationals) from the tsunami. Another nearby hospital is no longer in operation and likewise did not see or treat any foreign nationals. The Miyagi CAFT reported that people were continuing to recover bodies lying in the neighborhood.

Iwate CAFT: The Iwate CAFT found no USC among the 40 evacuees at the Hanamaki shelter. Most of these evacuees are from Fukushima. The team relayed that Hanamaki sustained little damage from the earthquake and currently has power, food, and water. Fuel remains problematic. The team saw two long lines at the gas station. The team traveled to Morioka City and met with prefectural officials who said that they had not registered any USC among the 112 people, many who are Chinese, staying in the six shelters. Officials stated prior to the disaster there were less than 100 USC in the prefecture. To date, the officials have not heard of any issues involving USC in the prefecture. The Iwate CAFT noted that things were returning to normal in Morioka with supermarkets in operation and water and food in supply. Exhausted and having completed their immediate mission, the Iwate CAFT made a final search for Glenn Cararini on the return to Misawa, whom they found in the cashier line at Misawa Air Base.

Narita and Haneda Airports: Two CAFTs remained at Narita and Haneda airports to report on conditions and assist USC. Both teams reported that the airports were busy but orderly. Most of the airlines reported flight to be 90% full. The airport CAFTs encountered Hong Kong, Norwegian, and Russian government officials assisting their nationals. All reported that many of their nationals are departing from Japan. Russian officials said that the Russian government paid for the flights for its citizens. The Norwegians stated that they had a chartered flight to fly to Norway; each citizen would pay approximately \$800. Both CAFTs received roughly a dozen inquiries and gratitude for being on hand to assist USC.

Public Tuning In: Enrollment in Embassy Tokyo's citizen online registration (STEP, formerly IBRS) has increased to 7,308, with over 1,277 new subscribers since the earthquake. Ambassador Roos' Twitter account has likewise seen a dramatic

increase in public viewing, with daily hits rising to an average of 1,522 since March 12. The Consular Section has made frequent use of Twitter to get messages out to the public.

Consular Crisis Response Center: Crisis-related call volume remained steady in the past 24 hours, with Tokyo fielding some 100 calls. Additional phone banks are in operation in Naha, Fukuoka, Osaka-Kobe, Nagoya, and Sapporo.

Visa Section: The Tokyo Visa Section is closed over the weekend and Monday, a Japanese holiday.

Emergency American Citizen Services (ACS): Embassy Tokyo remains open for emergency passport services over the weekend, issuing 91 emergency passports March 19. Sapporo closed ACS until March 22, pending return of its staff from the field.

Military-Assisted Departures: USFJ began permitting family members of personnel to depart voluntarily from Japan for the United States. Many called the Consular Taskforce Operations Center with questions about emergency passport application procedures and visas for third country national spouses. The Consular Taskforce Operations relayed these questions to Customs and Border Protection and our ACS unit, and facilitated communication among Legal Offices at U.S. bases in Japan. Most military components are arranging commercial chartered flights to arrive and depart from U.S. bases. There may be future interest by army dependents in Department of State chartered flights.

17:52 March 19, 2011 Saturday (DOE/NNSA Sitrep): Please see first attachment for a summary of information received as of 0600 on 19 March from the NRC, Embassy-Tokyo, IAEA Incident and Emergency Center, TEPCO, METI, NISA, Japan Atomic Industrial Forum, and Nuclear Energy Institute.

17:52 March 19, 2011 Saturday (U.S. Misawa S&R teams to wind down): MOFA Director General Umemoto told DCM Zumwalt that the GOJ would have no further assignments for the U.S. search and rescue teams at Misawa because "the Japanese search and rescue operation had ended." He thanked them for their efforts.

17:23 March 19, 2011 Saturday (ACCJ-EMB meeting): DCM Zumwalt, accompanied by EMIN Wall, met March 19 with American Chamber of Commerce in Japan (ACCJ) President Michael Alfant to brief him on recent developments concerning the nuclear situation in Japan. Alfant welcomed the information shared in the briefing. He noted concerns raised for the American community in Japan when UK and Canadian assessments differ from those provided in U.S. statements. He suggested that Embassy notices be released in Japanese. He said under current circumstances the

American school is likely to remain closed beyond the spring break scheduled next week, further prompting some in the American community to consider departing Tokyo. Alfant expressed appreciation for the recent phone call by Assistant Secretary Campbell with ACCJ members. Also taking part in the briefing was ACCJ Executive Director Sam Kidder. GE General Counsel and AFLAC representative Andy Conrad also participated by conference call.

SBU

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11:00

10:28 March 20, 2011 Sunday (Fuji TV: DCCS Fukuyama comments on Roos-Kan meeting) Deputy Chief Cabinet Secretary Tetsuro Fukuyama commented on the Fuji TV "Shin Hodo 2001" regarding the view that the Japanese government cannot control the radiation leak at Fukushima Daiichi nuclear power plant accident, "USG's nuclear institution has repeatedly issued press releases that the Japanese government is dealing with the problem appropriately. PM Naoto Kan has met and explained that to Ambassador Roos." He also said, "people around the world are nervous about the nuclear power plant accident. The government is taking steps to provide information in English, and make efforts to fill the gap in understanding quickly."

10:12 March 20, 2011 Sunday (Sankei News online: Fukushima Prefecture Iwaki City Mayor distributes iodine tablets to 150,000 residents) City Mayor Watanabe has distributed iodine tablets to 150,000 residents. Since these tablets have some side effects and dosage varies by age, the distribution must be conducted by the central government's instructions based on the Nuclear Disaster Special Measure Act. However, since there are no instructions from the central government, the city has started distribution on the 18th, in order to ease the fear of residents. The Mayor noted in a message on the city's website that this is only a precaution measure responding to the resident's frustrations. The city has been receiving many inquiries from their residents. The city Pharmaceuticals' association is cooperating in distribution, but the Mayor urged the citizens not to take any until further instruction from the city government. The city government has established a window to consult with residents regarding the iodine tablets.

10:09 March 20, 2011 Sunday (NHK: USFJ airlifts medical supplies.) USFJ has airlifted six tons of pharmaceuticals to Sendai Airport from a Japanese medical association.

10:00 March 20, 2011 Sunday (NPA: Latest casualty figures): The National Police Agency reported as of 09:00 on March 20 that 7,700 persons are confirmed dead, 11,651 are reported missing and 2,612 were injured in the earthquake and tsunami on March 11.

09:14 March 20, 2011 Sunday (NHK: DCCS Fukuyama discusses Kan – Roos Meeting) DCCS Fukuyama touched on a meeting yesterday evening (3/19) between Prime Minister Kan and Ambassador Roos. In the interview, he expressed his gratitude to the United States for its cooperation in responding to the ongoing accident at the Fukushima Daiichi Nuclear Power Plant. "The United States says it will provide any support. Actually, the United States, including U.S. Forces Japan, has delivered on its promise. We appreciate the United States."

08:30 March 20, 2011 Sunday (NHK: SDF started watering the spent fuel pool of reactor #4 of Fukushima Daiichi at 8:20 am.)

07:52 March 20, 2011 Sunday (Jiji: TEPCO power recovery at Fukushima Daiichi continues, radiation in the area declines) The power source recovery work for reactor #1 and #2 at Fukushima Daiichi still continues into the 20th. The cables from outside source have been connected. TEPCO is planning to supply power to transformer of #2 reactor today. If they succeed in recovering pumping operations to use ECCS, it will be a big step toward cooling of the reactor. On the other hand, for reactor #3, the Tokyo Fire Department has poured water for 13 hour and a half. The SDF will start their first watering onto reactor #4 this morning. TEPCO is planning to supply outside power source to reactor #4, but it depends on how the watering of reactor #4. According to TEPCO, reactor #2 is the least damaged among

those four reactors, and the company is hoping that pumps will work when the power source is recovered. Yesterday, the cooling systems of reactor #5 and #6 have been recovered, and the temperature of the pool water dropped. After the watering of reactor #3 by the Tokyo Fire Department, the radiation level has dropped dramatically in the surrounding area. Osaka City Fire Department and other emergency fire fighter troops are to join the effort.

01:36 March 19, 2011 (AP: Fukushima water tested above safe limit 2 days ago) TOKYO – Radioactive iodine in drinking water was at one point above government safety limits in the prefecture that hosts a radiation-spewing nuclear plant, the Health Ministry said late Saturday after reporting that trace amounts had also been detected in Tokyo and five other prefectures. The Health Ministry said in a statement that iodine levels slightly above the limit were detected Thursday in Fukushima prefecture, the site of the Fukushima Dai-ichi nuclear power plant where workers are scrambling to prevent radiation leaks. On Friday, levels were about half that benchmark, and by Saturday they had fallen further.

23:07 March 19, 2011 Saturday (TV Asahi: Ambassador meets with PM Kan) TV Asahi reported on a meeting last evening between Prime Minister Kan and Ambassador Roos, in which PM Kan was quoted as stressing that his government will share information with the international community about the ongoing accident at the Fukushima Daiichi Nuclear Power Plant. In the program, the Ambassador was quoted as saying the United States is “ready to provide any support” to cooperate in responding to the nuke plant accident.

21:32 March 19 21:32 March 19, 2011 Saturday (Sankei News: No radioactivity found in water in Kanagawa) Responding to the news that radioactive iodine and cesium were detected in tap water in Fukushima city, Kanagawa prefecture has examined the tap water of prefecture's health institution in Chigasaki. Kanagawa Prefecture announced that there was no detection of iodine and cesium. The Prefecture will continue the test once a day.

20:30 March 19, 2011 Saturday (Nikkei.com: Kan Vows To Share Info On Nuclear Crisis With U.S.) TOKYO (Kyodo)—Prime Minister Naoto Kan told U.S. Ambassador to Japan John Roos on Saturday that Japan will continue to share all necessary information with the United States regarding the nuclear crisis involving the Fukushima Daiichi power station crippled by last week's quake and tsunami. Kan also thanked Roos for providing all kinds of assistance since the March 11 twin natural disasters, according to Deputy Chief Cabinet Secretary Tetsuro Fukuyama who briefed the press about their meeting. "The United States is absolutely committed to providing any assistance, humanitarian or otherwise," Roos told reporters after the meeting, which lasted for nearly one hour at the premier's office. The ambassador also said, "We have no doubt that the people in Japan will rebuild in the days, months and years to come." (<http://e.nikkei.com/e/fr/tnks/Nni20110319D19JF472.htm>)

20:45 March 19, 2011 Saturday (TBS TV: PM Kan Ambassador Roos Meeting) PM Kan told Ambassador Roos regarding Fukushima Nuclear Power Plant problem that Japan will continue to provide accurate information to the international community. Also, he said that Japan and the US should share the sense of tension and make our best efforts. Ambassador was quoted as replying to PM Kan, "The US is really concerned about Japan's situation as our ally, we are hoping everything goes well. We are willing to provide assistance with our utmost effort." http://news.tbs.co.jp/newseye/tbs_newseye4678417.html

20:42 March 19, 2011 Saturday (Asahi Online: Kan-Roos Meeting) PM Kan met with U.S. Ambassador to Japan John Roos at the Kantei (PM Residence) in the early evening of March 19. He told the Ambassador

that: "Japan will continue to disclose all information on the accident at the Fukushima Daiichi Nuclear Plant to the international community. Although the situation is still very challenging, I will do everything I can to deal with this situation." Roos emphasized that the U.S. government will do everything in its power to help the victims of the Great East Japan Earthquake and to respond to the nuclear power plant accident. He said: "The United States, as an ally, is concerned about Japan." Kan had asked Roos to come to the meeting.

20:42 March 19, 2011 Saturday (Asahi Online: Kan-Roos Meeting) PM Kan met with U.S. Ambassador to Japan John Roos at the Kantei (PM Residence) in the early evening of March 19. He told the Ambassador that: "Japan will continue to disclose all information on the accident at the Fukushima Daiichi Nuclear Plant to the international community. Although the situation is still very challenging, I will do everything I can to deal with this situation." Roos emphasized that the U.S. government will do everything in its power to help the victims of the Great East Japan Earthquake and to respond to the nuclear power plant accident. He said: "The United States, as an ally, is concerned about Japan." Kan had asked Roos to come to the meeting.

CDC Information for Humanitarian Aid Workers in Japan: The CDC has information on its website for humanitarian aid workers operating in Japan or planning to travel to Japan. This information can be viewed at: <http://wwwnc.cdc.gov/travel/content/news-announcements/2011-earthquake-tsunami-humanitarian-aid-workers.aspx>

08:00

08:00 March 20, 2011 Sunday (U.S. Embassy Internet Outage Complete) The U.S. Embassy completed the installation of a backup power generation source earlier this morning and OpenNet is up and running.

07:52 March 20, 2011 Sunday (Jiji: TEPCO power recovery at Fukushima Daiichi continues, radiation in the area declines) The power source recovery work for reactor #1 and #2 at Fukushima Daiichi still continues into the 20th. The cables from outside source have been connected. TEPCO is planning to supply power to transformer of #2 reactor today. If they succeed in recovering pumping operations to use ECCS, it will be a big step toward cooling of the reactor. On the other hand, for reactor #3, the Tokyo Fire Department has poured water for 13 hour and a half. The SDF will start their first watering onto reactor #4 this morning. TEPCO is planning to supply outside power source to reactor #4, but it depends on how the watering of reactor #4. According to TEPCO, reactor #2 is the least damaged among those four reactors, and the company is hoping that pumps will work when the power source is recovered. Yesterday, the cooling systems of reactor #5 and #6 have been recovered, and the temperature of the pool water dropped. After the watering of reactor #3 by the Tokyo Fire Department, the radiation level has dropped dramatically in the surrounding area. Osaka City Fire Department and other emergency fire fighter troops are to join the effort.

07:03 March 20, 2011 Sunday (NHK: One more emergency generator restored at Fukushima) NHK reported that another emergency power generator has been restored at the TEPCO Fukushima Daiichi Nuclear Power Plant. In this connection, NHK also said the temperature of water in its No. 5 reactor's spent fuel rod cooling pool went down from 68.8 degrees (as of 5 a.m. 3/19) to 43.1 degrees at 3 a.m. today (3/20), and the No. 6 reactor's cooling pool from 67.5 degrees (as of 11 p.m. 3/19) to 52 degrees at 3 a.m. today (3/20).

7:11 March 20, 2011 Sunday (Putin offers LNG to Japan) Russian Prime Minister Putin revealed at a conference in Sakhalin that Russia might be able to supply Japan 4 million tons of LNG within the timeframe of about 3 months. In the evening of the 19th, Putin discussed the supply plan of oil and LNG in Russian Far East with government officials and executives of industry in a conference held in Yuzhno-Sakhalinsk. In that discussion, Putin noted that it was possible Russia could supply Japan where power is in short supply, 4 million tons of LNG which is currently scheduled to go to Europe. Putin also said that in order to remove fear of radiation in the Russian Far East, he will closely watch the work at Fukushima Daiichi and monitor the radiation of goods delivered from Japan.

06:45 March 20, 2011 Sunday (NHK: U.S. military choppers bring 7 tons kerosene to Kesennuma) U.S. military choppers have arrived in the city of Kesennuma, Miyagi Prefecture, with over 7 tons of kerosene onboard, and Ground Self-Defense Force troops carried the airlifted drum cans to facilities in the city right away.

06:22 March 20, 2011 Sunday (Kyodo: International relief efforts coming in) The 10th day since the earthquake has passed. So far 13 countries have shipped relief aid such as blankets and water. Canada sent 25,000 blankets. 30,000 packages of (ready to eat) rice and 230,000 bottled water were sent from Korea. 500 oil motors came from Taiwan.

06:22 March 20, 2011 Sunday (Kyodo: Casualty figures) As of 23:00, NPA announced the death toll was 7,653, with 11,746 missing, the total number reached 19,399. So far 26,000 have been rescued. 120,000 personnel from SDF, Fire Department and Police are working on the rescue operation.

04:46 March 20, 2011 Sunday (NHK: SDF decides to spray water on No. 4 reactor on Sunday): NHK-TV reported on its website at 4:11 that the SDF has decided to spray water onto the No.4 reactor to cool down the spent fuel rod storage pool on Sunday. The network said that, according to the Defense Ministry, several dozen tons of water will be sprayed through holes on the roof and wall of the building housing the reactor. In addition, the network noted that radiation levels around the No.4 reactor remain high, adding that the SDF is expected to use a fire truck that allows them to spray water while staying inside.

04:27 March 20, 2011 Sunday (NHK: IAEA begins measuring radiation levels in Tokyo area): NHK-TV reported on its website at 4:11 that a team of four IAEA nuclear experts has begun measuring radiation levels in the Tokyo metropolitan area on Saturday. According to the network, the team, equipped with a special device that can detect extremely small amount of radioactive substances in air and soil, began measuring radiation levels near the Imperial Palace in Chiyoda-ward, Tokyo on Saturday afternoon. The network said the team also took measurements in Saitama and Tochigi prefectures, and is hoping to do so near the Fukushima Daiichi nuclear power plant by coordinating with the GOJ and TEPCO. The results will be analyzed at IAEA headquarters and reported to IAEA members.

05:00 March 20 2011 Sunday (DOD Clarifies Voluntary Authorized Departure): The Department of Defense issued an update March 18 to the order of Voluntary Authorized Departure, clarifying that this order applies to EFM's located in the Tokyo Capital Region and the prefectures of Kanagawa, Aichi, Chiba, Fukushima, Gunma, Ibaraki, Iwate, Miyagi, Nagano, Niigata, Saitama, Shizuoka, Tochigi, Yamagata, Aomori, Akita and Yamanashi.

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04:00

04:00 March 20, 2011 Sunday (Sankei: Discrepancy between USG and GOJ on state of spent fuel pool of No.4 reactor): Sankei reported on its website at 22:47 that the USG and the GOJ appear to have a different take on the state of the spent fuel pool of the No.4 reactor. The daily said that while Japan began its preparation for water spraying operations by the SDF for the No.4 reactor on Saturday, U.S. experts were pointing out that water is leaking from a crack in the spent fuel pool and that "nothing can be done." The daily said that TEPCO's failure to confirm the water level and temperature of the No. 4 reactor due to high levels of radiation is the source of "discrepancy" between the two countries. The daily said US media such as the Los Angeles Times and the New York Times reported online on Friday that several NRC experts pointed out there is a crack or a hole in the pool which is making it extremely difficult to refill the water. According to the daily, Defense Minister Kitazawa said at a press briefing on Saturday that although he has heard about the U.S. views, the surface temperature of the reactor is below 100 degrees Celsius and the water inside the pool is cooling the reactor. The daily also said NISA told the paper on Saturday that although the water level appears to be falling, there is no indication that there is no water inside.

03:54 March 20, 2011 Sunday (UK Distributes Iodine Tablets to British Nationals): In a March 19 notice to British nationals who remain in Tokyo and Northern Japan, the British Foreign Office advised its citizens that their Embassy in Tokyo is distributing iodine tablets as a contingency measure to British citizens in Tokyo, Sendai and Niigata. The notice advises citizens that the tablets should be taken if radiation levels increase in a "significant way," and in the case of Tokyo, this would occur only in a worst case scenario. Tablets should be taken when the UK or Japanese Government advises people to do so or the Japanese authorities advise people to take shelter. To see the full notice:
<http://www.fco.gov.uk/en/news/latest-news/?view=News&id=569092482>

03:35 (Yomiuri: USG offers to provide 4 large water pumps): Yomiuri reported online at 3:04 that it learned on Saturday that the USG has offered the GOJ four large-scale water pumps that can pump and spray seawater on a 24 hour basis. According to the paper, the equipment is remotely controllable and one each is expected to be installed at reactors No. 1 to No.4. The daily said the GOJ is planning to accept the U.S. offer.

02:56 March 20, 2011 Sunday (Yomiuri: U.S. choppers deliver heating oil to shelter in Onagawa, Miyagi): Yomiuri reported online at 20:40 that three U.S. military helicopters on Saturday afternoon delivered a total of fifteen 200-liter drums of heating oil to a gymnasium in Onagawa, Miyagi, where about 870 people had been evacuated. The daily quoted a woman at the gym as saying: "I was worried because I heard that fuel at the shelter is running out. It's still cold during the night, so I am really happy for the support."

02:33 March 20, 2011 Sunday (Sankei: GOJ considering putting Fukushima nuclear plant under SDF supervision): Sankei reported on its website at 1:30 that several senior GOJ officials disclosed on Saturday that the GOJ is considering putting the Fukushima Daiichi nuclear power plant under the supervision of the SDF. The daily said that the move is aimed at having the SDF lead the efforts to remove the debris around the nuclear power plant, which has been an obstacle to the efforts to spray water and restore power there.

02:00

01:47 March 20, 2011 Sunday (TV-Asahi: President Obama's video message refers to Japan): TV-Asahi reported at 0:10 that President Obama referred to Japan in his video message to the public that was aired on Saturday. The President was quoted as saying: "In recent days we've seen turmoil and tragedy in the world, from change in the Middle East and North Africa to the earthquake and tsunami in Japan. We will continue to stand with the people of Japan in their greatest hour of need."

01:39 March 20, 2011 Sunday (Latest NPA casualty statistics as of 3/19 23:00): 7,653 dead; 11,746 missing; 2,583 injured

01:35 March 20, 2011 Sunday (Yomiuri: Summary of various foreign countries' evacuation policies): The March 19 edition of the Yomiuri newspaper compiled the following list of evacuation recommendations and measures taken by various foreign countries:

U.S.: Advises evacuation within 80km radius of Fukushima; charter flight to Taiwan for 100 Americans; authorized departure for diplomatic dependents
UK: Advises evacuation within 80km radius of Fukushima; charter flight to Hong Kong
France: Advises departing Japan or moving south of Tokyo; 241 people flown to Seoul on a government plane; orders Air France to increase flights
Italy: Advises departing Japan or evacuating Tokyo and regions north; considering chartered flights
Switzerland: Advises evacuation from affected areas and Tokyo, Yokohama; considering chartered flights
Austria: Advises evacuation from Japan or Tokyo, Yokohama
Spain: Advises evacuation within **120 km radius** of Fukushima; charters flights
Russia: Sends transport aircraft
Belgium: Sends military aircraft
Czechoslovakia: 106 people flown home on military airplane
Croatia: Advises departing Japan or moving to southern part of Japan
Australia: Advises evacuation within 80km radius of Fukushima
New Zealand: Advises evacuation within 80km radius of Fukushima
South Korea: Advises evacuation within 80km radius of Fukushima
Singapore: Advises evacuation within **100km radius** of Fukushima
Finland: Advises evacuation from Tokyo and regions north

Serbia: Advises departure from Japan

Israel: Advises evacuate from Tokyo to west Japan

Germany: Advises evacuation from Japan or Tokyo, Yokohama

Taiwan: Advises old people, children and women to consider departing Japan.

01:00 March 20, 2011 Sunday (Nikkei: TEPCO began cooling No. 6 spent fuel pool Saturday evening):

Nikkei reported online at 0:40 that TEPCO began cooling the spent fuel pool of the No.6 reactor at about 22:00 on Saturday, using a temporarily-installed diesel-powered generator. The daily said that the temperature of the pool was 67.2 degrees Celsius at 22:00 on Saturday. According to the daily, TEPCO believes that the temperature is gradually decreasing. The daily also said TEPCO is hoping to lower the temperature to 30 degrees Celsius.

00:12 March 20, 2011 Sunday (Jiji: MHLW reveals radioactive iodine-131 found in tap water in

Kawamata, Fukushima): Jiji Press reported at 23:47 that the Ministry of Health, Labor and Welfare (MHLW) revealed today that radioactive iodine-131 above normal levels had been detected in tap water in Kawamata, Fukushima, on Thursday. However, Jiji reported that radiation levels then dropped back below normal levels for both Friday and Saturday.

00:00

23:59 March 19, 2011 Saturday (Kyodo: 6 workers exposed to excessive radiation at Fukushima plant):

Six workers at the crisis-hit Fukushima Daiichi nuclear power plant have been exposed to radiation levels beyond the limit applied to an emergency operation, Tokyo Electric Power Co. said Saturday, without elaborating on the work that they were engaged in. They are continuing to work on different tasks because they have not shown any abnormal signs since being exposed to over 100 millisieverts of radiation, the utility said. The limit has been raised to 250 millisieverts for the ongoing crisis, the worst in Japan's history, by the Health, Labor and Welfare Ministry. The government's Fire and Disaster Management Agency said separately that readings of up to 27 millisieverts of radiation were detected as of noon on around 50 employees of the Tokyo Fire Department who were decontaminated after spraying water earlier in the day at the plant's highly dangerous No. 3 reactor.

23:49 March 19, 2011 Saturday (NHK: Water temperature at No. 5 reactor dropping): NHK reported on its website at 23:31 that as a result of the restoration of the cooling system for the No. 5 reactor, the water temperature began to drop to 48.1 degrees Celsius at 18:00 on Saturday, down about 20 degrees from 68.8 degrees Celsius at 5:00 this morning. The network said that TEPCO believes that the cooling system is functioning.

23:36 March 19, 2011 Saturday (Latest NPA casualty statistics as of 3/19 21:00): 7,508 dead; 11,680 missing; 2,583 injured

23:23 March 19, 2011 Saturday (Mainichi: GOJ to provide about 600 kiloliters of gas and heating oil):

Mainichi reported online at 22:06 that the GOJ has decided today to provide about 600 kiloliters of gasoline and heating oil to residents near Fukushima Daiichi nuclear power plant in response to a request from the Fukushima prefecture government. The daily said that although many residents within the 20-30 km radius are hoping to evacuate by themselves, many are unable to do so due to shortage of gas. The daily added that heating oil and light oil have also become scarce, and are affecting their lives. The daily said that the SDF will transport gas and oil to gas stations in the area.

23:12 March 19, 2011 Saturday (NHK: Tokyo Fire Department press conference): NHK broadcast live coverage of a press conference which began at around 22:45 by a Tokyo Fire Department official on the water-spraying mission carried out on Saturday. The official said that due to the damage from the tsunami, they could only park a pump truck at the northern part of the nuclear power plant to drop an underwater pump into the sea. He also said that the radiation level in the area came down to almost zero right after the mission began.

22:50 March 19, 2011 Saturday (Bloomberg: PM Kan calls situation "very grave"): Bloomberg reported that Prime Minister Naoto Kan said Japan's nuclear crisis remained "very grave" as forecasts indicated changing winds could start moving radiation closer to Tokyo by the end of the weekend.

22:40 March 19, 2011 Saturday (Operation Tomodachi numbers): Twitter users in Japan are re-tweeting information provided by the USG that roughly 17,000 U.S. military members, more than 100 aircraft and 14 ships are involved or prepared to assist in relief operations in Japan.

22:30 March 19, 2011 Saturday (Kyodo: Traces of radioactive iodine found in Tokyo tap water): Kyodo reported that slight amounts of radioactive iodine have been detected in tap water in Tokyo, its vicinity and most prefectures neighboring Fukushima, apparently due to the nuclear crisis at the Fukushima Daiichi nuclear power plant. While the substance was found in Tochigi, Gunma, Niigata, Chiba and Saitama prefectures as well as Tokyo, traces of cesium have also been found in tap water in Tochigi and Gunma, according to the Ministry of Education, Culture, Sports, Science and Technology. The ministry was clear, however, that these trace amounts do not affect human health even if ingested. In Maebashi, Gunma, 2.5 becquerels of iodine and 0.38 becquerels of cesium were detected Friday per kilogram of water, the prefectural government said, adding it is the first time the substances were found since it began testing tap water for radioactive materials in 1990. The Nuclear Safety Commission of Japan limits intake of iodine at 300 becquerels per kilogram of water and of cesium at 200 becquerels.

22:00

22:00 March 19, 2011 Saturday (Chiba refinery fire extinguished): The Ichihara City Fire Department in Chiba Prefecture announced today that the fire at the Cosmo Oil's Chiba refinery that was caused by the March 11 earthquake has finally been extinguished, after raging for eight days. Six employees were injured, one seriously, but amazingly no one was killed.

21:55 March 19, 2011 Saturday (Media on Roos-Kan meeting): Asahi reported that PM Kan met with U.S. Ambassador to Japan John Roos at the Kantei in the early evening of March 19. He told the Ambassador that: "Japan will continue to disclose all information on the accident at the Fukushima Daiichi Nuclear Plant to the international community. Although the situation is still very challenging, I will do everything I can to deal with this situation." Roos emphasized that the U.S. government will do everything in its power to help the victims of the Great East Japan Earthquake and to respond to the nuclear power plant accident. He said: "The United States, as an ally, is concerned about Japan." Kan had asked Roos to come to the meeting.

21:45 March 19, 2011 Saturday (Water-spraying operation extended): NHK reported that the Tokyo Fire Department's Fire & Rescue Task Force at Reactor No. 3 has extended the water-spraying operation that started around 14:00 today until 00:30, an extension of 3.5 hours.

21:30 March 19, 2011 Saturday (Fukushima government asks farms not to consume or sell any agricultural products): NHK reported that radioactive iodine in the amount of 932-1,510 becquerels, or 3-5 times the limit under the food safety law, was detected in three raw milk samples taken from the town of Kawamata in Fukushima Prefecture March 16-18. The prefectural government is asking all dairy farms in Kawamata not to consume or sell raw milk and people within 30km of the Fukushima Daiichi Nuclear Power Plant not to consume or sell any agricultural products. Meanwhile, the Ibaraki Prefectural Environmental Radiation Monitoring Center announced that 6,100-15,020 becquerels of radioactive iodine-131, or 3-7 times the legal limit, was detected in spinach samples taken from the cities of Takahagi, Hitachi and Tokaimura.

21:15 March 19, 2011 Saturday (Damages estimated at 16 trillion yen): Sankei reported that damage from the March 11 earthquake and tsunami is estimated at around 16 trillion yen (\$200 billion), which far exceeds the 10 trillion yen (\$120 billion) caused by the Great Hanshin Earthquake in 1995. However, that prediction does not factor in the disaster at TEPCO's Fukushima Daiichi Nuclear Plant, so that estimate may climb higher yet.

21:10 March 19, 2011 Saturday (Consulate Nagoya staffing): Consulate Nagoya reports that following the authorized departure, all four direct hires and one TDYer from Tokyo remain in Nagoya, while seven dependents (including the spouse of the TDYer) flew to Detroit. Four dependents remain in Nagoya.

20:55 March 19, 2011 Saturday (Bechtel equipment in Perth bound for Japan): The Australian Defense Force has agreed to provide air transport for equipment to be used for a possible water delivery system at Fukushima—if Bechtel, which possesses the equipment in Perth, can prepare it in time for pick-up there. The aircraft has been rescheduled for takeoff tomorrow evening bound for Yokota. Once in country, an additional day will be required for set up, operational checks and operator training before deployment to Fukushima. Though it appeared the GOJ might not accept the offer in time before the Australian C-17 is scheduled to depart, the MOD eventually said it would work with MOFA to make sure the equipment can enter Japan. Meanwhile, the SDF confirmed that a new pumping truck with lengthy arm will be deployed shortly by the Tokyo Metropolitan Fire Department to increase the volume of water that can be sprayed continuously into the spent fuel pools.

20:15 March 19, 2011 Saturday (Mission Japan Consular Daily Situation Report):

Welfare and Whereabouts: The Consular Section has verified the welfare and whereabouts of 3,507 United States citizens (USC) in Japan; 1,116 remain unaccounted for. In the areas affected by the earthquake and tsunamis, 879 USC are currently missing. After nearly a week of Consular Assistant Field Teams (CAFT) operating in the most devastated areas, there are currently just 64 unaccounted citizens: 46 in Miyagi, 10 in Iwate, and 8 in Ibaraki.

Consular Assistance Field Team (CAFT) Reports: The Miyagi CAFT assisted USC and third country nationals board the chartered buses from Sendai to Tokyo. The first bus left at 9:50AM with 21 USC, 1 Japanese national dependent, 2 Japanese nationals, and 1 Filipino journalist from the Associated Press

(AP). Eleven people will get off at Tokyo Station while the remaining will continue to Narita Airport. All signed promissory notes. After the first bus departed, a NHK (the Japanese version of PBS) reporter questioned a consular officer at the boarding site, the immediate broadcast attracted an additional eight passengers. The second bus left Sendai at 4:10 pm with two USC, two Japanese dependants, and 39 Japanese citizens. Everyone on the bus will be dropped off at Tokyo Station. The third bus of the day left Sendai at 5:30 p.m. with one USC and 42 Japanese citizens. The USC did not want to get on the bus by herself, so her host father is riding with her. They will both go to Narita Airport. Everyone else will get off at Tokyo Station. The Miyagi CAFT returned home after the third bus departed. The last passenger from the March 18 chartered bus is to fly out March 20 at 2:45 PM.

Missing Amcit Taylor Anderson Update: The Miyagi CAFT went to Kowan Hospital-a hospital a few hundred meters from Ms. Anderson's house. Hospital staff reported that Ms. Anderson's house was cut off for days after the tsunami. At the hospital itself, the first floor remains unusable, but staff continue to see patients on the upper floors. The hospital staff informed the Miyagi CAFT that they had not seen any foreign nationals and only treated two victims (Japanese nationals) from the tsunami. Another nearby hospital is no longer in operation and likewise did not see or treat any foreign nationals. The Miyagi CAFT reported that people were continuing to recover bodies lying in the neighborhood.

Iwate CAFT: The Iwate CAFT found no USC among the 40 evacuees at the Hanamaki shelter. Most of these evacuees are from Fukushima. The team relayed that Hanamaki sustained little damage from the earthquake and currently has power, food, and water. Fuel remains problematic. The team saw two long lines at the gas station. The team traveled to Morioka City and met with prefectural officials who said that they had not registered any USC among the 112 people, many who are Chinese, staying in the six shelters. Officials stated prior to the disaster there were less than 100 USC in the prefecture. To date, the officials have not heard of any issues involving USC in the prefecture. The Iwate CAFT noted that things were returning to normal in Morioka with supermarkets in operation and water and food in supply. Exhausted and having completed their immediate mission, the Iwate CAFT made a final search for Glenn Cararini on the return to Misawa, whom they found in the cashier line at Misawa Air Base.

Narita and Haneda Airports: Two CAFTs remained at Narita and Haneda airports to report on conditions and assist USC. Both teams reported that the airports were busy but orderly. Most of the airlines reported flight to be 90% full. The airport CAFTs encountered Hong Kong, Norwegian, and Russian government officials assisting their nationals. All reported that many of their nationals are departing from Japan. Russian officials said that the Russian government paid for the flights for its citizens. The Norwegians stated that they had a chartered flight to fly to Norway; each citizen would pay approximately \$800. Both CAFTs received roughly a dozen inquires and gratitude for being on hand to assist USC.

Public Tuning In: Enrollment in Embassy Tokyo's citizen online registration (STEP, formerly IBRS) has increased to 7,308, with over 1,277 new subscribers since the earthquake. Ambassador Roos' Twitter account has likewise seen a dramatic increase in public viewing, with daily hits rising to an average of 1,522 since March 12. The Consular Section has made frequent use of Twitter to get messages out to the public.

Consular Crisis Response Center: Crisis-related call volume remained steady in the past 24 hours, with Tokyo fielding some 100 calls. Additional phone banks are in operation in Naha, Fukuoka, Osaka-Kobe, Nagoya, and Sapporo.

Visa Section: The Tokyo Visa Section is closed over the weekend and Monday, a Japanese holiday.

Emergency American Citizen Services (ACS): Embassy Tokyo remains open for emergency passport services over the weekend, issuing 91 emergency passports March 19. Sapporo closed ACS until March 22, pending return of its staff from the field.

Military-Assisted Departures: USFJ began permitting family members of personnel to depart voluntarily from Japan for the United States. Many called the Consular Taskforce Operations Center with questions about emergency passport application procedures and visas for third country national spouses. The Consular Taskforce Operations relayed these questions to Customs and Border Protection and our ACS unit, and facilitated communication among Legal Offices at U.S. bases in Japan. Most military components are arranging commercial chartered flights to arrive and depart from U.S. bases. There may be future interest by army dependents in Department of State chartered flights.

17:52 March 19, 2011 Saturday (DOE/NNSA Sitrep): Please see first attachment for a summary of information received as of 0600 on 19 March from the NRC, Embassy-Tokyo, IAEA Incident and Emergency Center, TEPCO, METI, NISA, Japan Atomic Industrial Forum, and Nuclear Energy Institute.

17:52 March 19, 2011 Saturday (U.S. Misawa S&R teams to wind down): MOFA Director General Umemoto told DCM Zumwalt that the GOJ would have no further assignments for the U.S. search and rescue teams at Misawa because "the Japanese search and rescue operation had ended." He thanked them for their efforts.

17:23 March 19, 2011 Saturday (ACCJ-EMB meeting): DCM Zumwalt, accompanied by EMIN Wall, met March 19 with American Chamber of Commerce in Japan (ACCJ) President Michael Alfant to brief him on recent developments concerning the nuclear situation in Japan. Alfant welcomed the information shared in the briefing. He noted concerns raised for the American community in Japan when UK and Canadian assessments differ from those provided in U.S. statements. He suggested that Embassy notices be released in Japanese. He said under current circumstances the American school is likely to remain closed beyond the spring break scheduled next week, further prompting some in the American community to consider departing Tokyo. Alfant expressed appreciation for the recent phone call by Assistant Secretary Campbell with ACCJ members. Also taking part in the briefing was ACCJ Executive Director Sam Kidder. GE General Counsel and AFLAC representative Andy Conrad also participated by conference call.

20:00

20:20 March 19, 2011 Saturday (PM Kan-AMB Roos meeting): At a meeting with Ambassador Roos tonight at the Kantei at 1800, Prime Minister Kan apologized for the apparent coordination difficulties between Japanese and U.S. groups working on earthquake and nuclear issues but said Japan wanted to continue cooperating with the U.S. throughout the process. Kan thanked the United States for expressions of sympathy such as President Obama's visit to the Japanese Embassy in Washington. Ambassador Roos expressed deep sympathy for Japanese people, victims, and their families, and said the United States will continue to do all it can to help its ally in need.

19:53 March 19, 2011 Saturday (Boron arrival): A shipment of several thousand pounds of boron arrived at Yokota Air Base on March 18 at 2100. The chemical will be available to the Japanese for mixing with seawater and injection into Fukushima cooling ponds. USFJ confirmed that a representative from TEPCO was onsite during on the evening of March 18 to review the boron received and found no issues. USFJ reports that boron has been transported to Hyakuri AB and is waiting ground transportation.

19:55 March 19, 2011 Saturday (Partnering to help quake victims): A new partnership was announced between the Japanese American Citizens League and Direct Relief International to provide financial support and emergency supplies to victims of the earthquake and tsunami in Japan.

19:50 March 19, 2011 Saturday (Ambassador updates public on Twitter): Ambassador Roos is the 20th most popular Twitter user in the city of Tokyo as of tonight, and he now has more than 20,000 followers. He is also the 540th most retweeted person on all of Twitter, in the 99.8 percentile.

19:45 March 19, 2011 Saturday (GOJ concerned about shortage of prescription medicines): Nikkan Yakugyo reports that on March 17, the Japanese Ministry of Health, Labor and Welfare (MHLW) asked medical institutions and drug stores outside of the disaster-affected areas to refrain from prescribing medicines long term and to consider supplying prescriptions in installments for a fixed period. The ministry aims to avoid a situation where hospitals, which are frustrated about unstable supplies of drugs, would order excessive amounts of medicines. In response to MHLW's request, the JMA and the Japan Pharmaceutical Association (JPA) sent a document to their local branches in each prefecture to ask for cooperation. The JMA also informed its local branches to refrain from large-scale orders to wholesalers and to reduce the number of deliveries in order to save gasoline consumption following the request by the Japan Pharmaceutical Wholesalers Association (JPWA).

19:37 March 19, 2011 Saturday (Press criticism of handling of nuclear crisis): "Crucial efforts to tame Japan's crippled nuclear plant were delayed by concerns over damaging valuable power assets and by initial passivity on the part of the government," begins a March 19 article on the front page of the Wall Street Journal online. "Tepco was reluctant to use seawater because it worried about hurting its long-term investment in the complex." The article also quotes an unnamed government official as saying, "this disaster is 60% man-made."

19:07 March 19, 2011 Saturday (German EMB in Osaka): German Political Counsellor Hans Langhaeuser confirmed that he and Defense Attache Joachim Gutow were operating the Embassy from Osaka. Please see spreadsheet of foreign mission POCs in the shared drive, or ask JECC or Political Section.

18:45 March 19, 2011 Saturday (Roos Twitter popularity): Ambassador Roos is the 20th most popular Twitter user in the city of Tokyo as of tonight, and he now has more than 20,000 followers. He is the 540th most retweeted person on all of Twitter, in the 99.8 percentile.

18:45 March 19, 2011 Saturday (Casualty update): The National Police Agency reports that the official death count from the earthquake and tsunami now stands at 7,348, with 2,603 injured and 10,947 still missing.

18:40 March 19, 2011 Saturday (No more USG charter flights planned): Embassy GSO reports that there are currently no more USG-chartered flights planned; remaining USG dependents wishing to depart will leave via commercial aircraft over next several days.

18:30 March 19, 2011 Saturday (Power lines connected to Reactors No. 1 and 2): Yomiuri reported on its website that Reactors No. 1 and 2 have been re-connected to the power grid. Instruments inside the reactors will be checked tomorrow morning to see if the cooling system can be turned back on.

18:25 March 19, 2011 Saturday (Press conference by Koriyama mayor): NHK carried a news conference by the mayor of Koriyama City in Fukushima Prefecture, in which he characterized the government's reported rejection of U.S. assistance to close down the Fukushima Daiichi Nuclear Plant immediately after the accident as "outrageous." He asserted that the priority now is to contain the damage at the nuclear plant and the government should not make decisions on its own but should consult U.S. experts in this process.

18:20 March 19, 2011 Saturday (DOD considering offering open seats on flights to AmCits): Embassy Consular Section reports that the Department of Defense (DOD) is considering offering civilian Amcits seats during DOD voluntary departure.

18:10 March 19, 2011 Saturday (Long-armed trucks headed for Fukushima): NHK reported that special trucks with long arms of over 50 meters capable of "pinpoint accuracy" of large amounts of water that were also used in the Chernobyl nuclear disaster left the Yokohama port at some time past 14:00 today for the quake area. They will be brought to the Fukushima Daiichi Nuclear Plant later today and will start spraying water into the storage pools for nuclear fuel as soon as possible.

18:00

18:10 March 19, 2011 Saturday: (Embassy Security Engineering Officer update): Radiological data measured at Embassy and Mitsui Housing Compound indicates background radiation only. Meeting with DOE, NRC, and Embassy Front Office reviewed existing data and confirmed estimates of possible release scenarios. Met with NRC and DOE about mechanisms to monitor real time events at the Fukushima Daiichi nuclear power plant. Political Section Katherine Dudley assisting DOE with MOFA issues regarding data collection flights and ground monitoring activities.

17:55 March 19, 2011 Saturday (No restrictions on air travel to Japan): The International Air Transport Association (IATA) issued a press release saying there were no restrictions on air travel to Japan. "Safety is our number one priority. If it is not safe, we won't fly. Today's joint statement by the five most authoritative United Nations (UN) organizations on air transport, nuclear energy, shipping, health and weather confirms that it is safe to operate in Japan," said Giovanni Bisignani, IATA's Director General and CEO.

17:35 March 19, 2011 Saturday (Update on base facilities): As of 16:00 on Friday, 18 Mar 2011 the New Sanno lodging operation is back to normal operating hours until further notice, but the bank, post office, NEX and several other services (including some food and beverage services) are suspended. The Yokosuka NEX, Yokota Air Base Commissary and BX, and Hardy Barracks gas station/mini-mart are all operating as usual—though Hardy Barracks is only allowing drivers to purchase 5 gallons at a time.

17:32 March 19, 2011 Saturday (GW Departure from Yokosuka): Embassy PAS was to work with CNFJ on press guidance for the possibility that the USS George Washington will pull out of port. Apparently, the Fukushima emissions are causing irregular readings in the GW's radiological measuring instruments, making it difficult to tell whether the GW itself might have a problem. Information regarding the GW potential departure was passed to MOFA, and Yokosuka city officials. CNFJ has providing the following PAG on the GW for use on an if-asked basis only is: "All 7th Fleet ships, including USS George Washington which is currently conducting maintenance in Yokosuka, are increasing their readiness posture in order to be prepared to conduct any tasking ordered. This includes the recall of personnel and the cancellation of leave. No decision has been made to get USS George Washington underway."

17:27 March 19, 2011 Saturday (Residents screened for radiation): Mainichi Online reports at 16:25 that as of March 17, 42,440 Fukushima citizens were screened for radiation and 67 were found to have radioactive substance on their shoes or clothes. However, none registered a radiation level considered to be harmful to health. Screening was done at 13 locations in 11 towns and cities using mobile screening trucks.

17:05 March 19, 2011 Saturday (UK distributed iodine tablets): The Embassy understands that the UK "privately" distributed iodine tablets to UK citizens in Sendai, as they loaded a chartered bus to Tokyo. We do not know if the UK will update the government travel warning to include use of the tablets.

16:51 March 19, 2011 Saturday (Press conference by Chief Cabinet Secretary Edano): NHK carried a live broadcast of a press conference by Chief Cabinet Secretary Edano from 16:07. Edano said that the situation at Reactors Nos. 1-3 has stabilized but the situation is still fluid, that concern now is focused on the cooling of storage pools of spent nuclear fuel, and that water spraying at Reactor No. 3 appears to have been successful. Edano also said that water spraying operations will continue at Reactors Nos. 3 and 4. With the reintroduction of electricity power from outside, it will be possible to restore the reactors' cooling and monitoring functions. He added that more permanent measures for cooling reactors are being considered. Chief Cabinet Secretary Edano also expounded on earlier comments made by the health ministry about agricultural products tainted with radiation. Milk from a farm in Fukushima more than 30km from Fukushima Daiichi Nuclear Plant was yesterday found to contain radiation over the limit set by the food safety law. Seven samples of spinach in Ibaraki are also found to have radiation levels above the food safety limit. Edano stressed that these radiation levels are not expected to pose any immediate health hazards, and that the government is doing its best to monitor other food products and preventing any health hazards.

16:45 March 19, 2011 Saturday (Ministry of Health confirms trace radiation in milk, spinach): Yomiuri reported that Senior Vice Minister of Health Otsuka stated this afternoon that some spinach and milk were found to contain radiation levels higher than the limit in the food safety law. He did not provide further details.

16:35 March 19, 2011 Saturday (Casualty update): The National Police Agency reports that the official death count from the earthquake and tsunami now stands at 7197, with 2611 injured and 10,905 still missing.

16:30 March 19, 2011 Saturday (NHK temporarily returns to regularly scheduled programming): Fans of NHK soap operas got a temporary fix for the first time in a week, as the national broadcaster mostly returned to regularly scheduled programming for three hours on Saturday afternoon. However at 15:30,

NHK reverted back to coverage of the ongoing nuclear crisis, including live press conferences by Defense Minister Kitazawa and Chief Cabinet Secretary.

16:30 March 19, 2011 Saturday (Roos-Fukuyama telcon): Ambassador Roos spoke on the phone with Deputy Chief Cabinet Secretary (DCCS) Tetsuro Fukuyama today at 1600. Fukuyama thanked the USG and USFJ for their help, in particular fire trucks and nuclear specialists. The two meetings today (0700 and 1030) between U.S. and Japanese nuclear experts were good, resulting in good advice that we will follow up on. Mass media is saying communication between the USG and GOJ is bad, but that's not true. There has been steady progress today on water injection at the nuclear power plant, and we have regained power supply. People are risking their lives to do all they can. Result of radiation monitoring is that things are generally stable but there was one point where the reading was high; there was also a high reading in milk. The next issue to cope with is the possible contamination of food, which is not yet a major issue that we'd like to nip in the bud. We are working off of a worst case scenario. PM Kan would like to speak to you. [Note: AMB Office working on arranging this. End note.]

16:00

15:55 March 19, 2011 Saturday (DM press conference): Defense Minister Kitazawa held a press conference, which NHK broadcasted live starting at 15:38, in which he revealed that 100,600 Self Defense Force (SDF) members were deployed today, in addition to 321 SDF helicopters and 57 ships, to conduct quake relief operations. DM Kitazawa also noted that SDF helicopters took surface temperatures of Reactors No. 1-4 at 05:45 this morning with infrared rays. While accurate figures will have to await further analysis, the initial findings show that the surface temperature reading at all four reactors was below 100 degrees C. The SDF will conduct another round of temperature surveys tomorrow morning.

15:50 March 19, 2011 Saturday (Radiation readings from NISA): Sankei Online reports at 10:36 that Japan's Nuclear and Industrial Safety Agency (NISA) announced that as of 06:30, the radiation level at the west gate of Fukushima Daiichi Nuclear Plant (1.1 kms from Reactor No. 2) was 292.3 microsieverts per hour. The figure at 23:20 on the previous night before the Tokyo Fire Department's water spraying operations was 368.9 microsieverts. The figure for a site 500 meters from Reactor No. 2 dropped from 3,219 microsieverts per hour at 00:20, before water spraying, to 3,181 microsieverts per hour at 01:50. NISA said that while the drop in radiation level may not entirely be due to the water spraying, the spraying operations "certainly had a positive effect." The Tokyo Fire Department's Fire & Rescue Task Force sprayed about 120 tons of water into Reactor No. 3 between 00:30 to 01:10.

15:45 March 19, 2011 Saturday (Cooling system partially restored): Sankei reported that TEPCO announced this morning that the water circulation function was restored at the Fukushima Daiichi Nuclear Plant's Reactor No. 5 spent fuel storage pool, making it possible to prevent the rise of temperature and drop of water level in the pool. In addition, two diesel engines are now running at Reactor No. 6.

15:30 March 19, 2011 Saturday (Liquefied natural gas plant damaged): NHK reports that the Sendai City Gas Plant in Miyagino-ku, capable of producing enough liquefied natural gas (LNG) to supply 360,000 households, was severely damaged by the earthquake and tsunami. Gas pipelines and power lines were also damaged. Officials estimate the plant will not be able to resume operation for "at least several months."

15:00

14:23 March 19, 2011 Saturday NHK (TFD spraying water on reactor) NHK reported in a subtitle that a water cannon truck of Tokyo Fire Department started spraying water to the No. 3 reactor.

13:50 March 19, 2011 Saturday NHK (NISA says radiation levels in Namie-Cho relatively high) NISA reports that radiation levels in Namie-Cho that is located 30 km away from the Fukushima Daiichi are relatively high at 140 micro sieverts as of yesterday. According to NISA, the level would not cause harm to human bodies immediately, but the situation should be watched. The residents in this town have voluntarily evacuated.

13:50 March 19, 2011 Saturday NHK (Damage) A gas factory of Sendai Gas Authorities has been destroyed by the earthquake and they have not been able to provide gas to about 360,000 households. The authorities said that it would be very difficult or impossible to restore gas service in one month.

13:32 March 19, 2012 Nikkei online (Japan, Korea and China to hold FM Meeting) Japan, China and Korea will hold a Foreign ministerial meeting in Kyoto in the afternoon of the 19th. FM Matsumoto conveyed the gratitude for the assistance provided by the two countries, and explain them the future relief effort plan. The three countries will discuss future cooperation in disaster prevention and the safety of nuclear facilities including North Korea issues. This is the first time Foreign Minister Matsumoto is meeting his counterpart. Prior to the meeting, Minister Matsumoto will hold a bilateral meeting with each counterpart.

13:36 March 19, 2011 Sankei online (TEPCO putting holes in roofs of reactor buildings) TEPCO announced on 19th that they made three holes on the roof of each buildings of reactor #5 and #6 of Fukushima Daiichi. the hole is 3 to 7.5 cm in diameter. TEPCO decided this will prevent the hydrogen explosion in case hydrogen develops in those buildings.

1300 March 19, 2011 Saturday Mainichi Online (Shimane Prefecture to provide aid to evacuated families) Shimane prefecture has announced that the prefecture will provide evacuees from the disaster area to Shimane living expensis of 300,000 yen per household. The single-person household will receive the half the amount. According to the prefecture, they have 675 public houses available for those evacuees. the prefecture is considering to provide the fund to those people who will be evacuating into those housing. The payment method is still under the discussion.

12:58 March 19, 2011 Saturday NHK Online (TEPCO Cooling reactors) In order to cool reactor #3 of Fukushima Daiichi, Tokyo Fire Department will start discharging seawater at 1:30 pm. The plan is to create a new system to pump seawater from a distance, sending the water to unmanned water cannon trucks for a duration of 7 hours. Follow-up: The 7-hour continuing water spray will be done by an unmanned water cannon truck.

12:58 March 19, 2011 NHK Online (Fukushima Prefecture will move evacuees within 30 km of plant) According to Fukushima prefecture, they are going to evacuate people from a part of evacuees under the shelter within the 30 km radius who are interested. Due to the lack of goods, the prefecture has decided the mass evacuation. 400 from Minamisoma-city and 270 from Iitate village are going to evacuate by busses. The total number of evacuees under the shelter within the 30km is estimated around 136,000. Some have already volutarily evacuated. In case more people want to evacuate, the

municipalities will consider next measures.

12:34 NHK Online (USFK delivering medicine to devastated prefectures) The Japan Doctors Association in cooperation with the pharmaceutical companies, sent 10 tons of medicines for diabetes, high blood pressure and other diseases. On the morning of the 19th the medicine was loaded on trucks and with the help of US Forces Japan the medicine will be shipped to evacuation sites in Miyagi, Iwate and Fukushima prefecture by airlift.

12:00

11:00 March 19, 2011 NHK (NHK news reports NISA's press conference this morning.) NISA said that the Tokyo Fire Department is planning to spray water to No. 3 reactor and JSDF may spray water to No. 4 reactor from the ground this afternoon. The Tokyo Fire Department's water spraying is scheduled after 1:30 pm. According to NISA, TEPCO said that electricity supply to No. 1, 2, 5 and 6 reactors may be able to start sometime today. TEPCO is making efforts to start supplying electricity to No. 3 and 4 reactors tomorrow. The diesel generator of No. 6 reactor is operational now and can supply electricity to the cooling pump of No. 5 reactor. Connecting cables to No. 1 and 2 reactors to outside power sources will be completed today.

11:28 March 19, 2011 Saturday Jiji Press (Kansai governors offer assistance to Tohoku governors) Governor Ido of Hyogo prefecture visited Governor Murai of Miyagi this morning. Governor Ido handed the information collected during recovery of the Great Hanshin earthquake to Governor Murai. Ido also proposed Murai that the group of 7 prefectures in the Kansai area work together to accept evacuees from quake affected areas. So far Hyogo and Osaka will accept about 10,000 each. Tottori will accept 2,000, the other prefectures are now discussing their plans as well.

11:11 March 19, 2011 Asahi.com (Tepco expects some power to be restored today) It is expected that the power transmission line will be fixed today, and the power to reactor #1, 2, 5, and 6 will be recovered. For reactor #3 and 4, the power transmission will be recovered by the 20th.

10:49 March 19, 2011 Kyodo (Rescued man identified) The name of the rescued man is Mr. Katsuharu Moriya in his 20s.

10:36 March 19 Saturday NHK online (TEPCO continues to get water to reactors) TEPCO is closely watching the level of radiation now, because after the SDF's water discharge followed by the Tokyo Fire Department's discharge of water onto the spent fuel pool of reactor #3, the radiation level around the facility has risen a little. The spent fuel pool in reactor #3, #4 cannot be cooled, and it is possible that the water in the pool will evaporate, the fuel will melt, and the radioactive material will leak outside. Thus 13 fire trucks discharged water for one hour around midnight. According to TEPCO, the radiation level 500 meters North West from #3 reactor was 3219 microSV/h before the discharge of water at 0:20, but increased to 3279 microSV/h at 1:20 am.

10:36 March 19 Saturday NHK online (Diesel generator at reactor #6 resumed) TEPCO announced that the operation of the emergency diesel power generator for reactor #6 has been resumed. Using this power generator the function of sending water to spent fuel pool has been fixed.

10:25 March 19 NHK online (Rescued man young, debilitated) At around 9:00 am a man was rescued from a collapsed house in southern Kisenuma, about 1 km west from Kuranai Station of JR Kisenuma line. He is a young man, with no apparent injuries, but he is debilitated and cannot speak.

10:25 March 19 NHK online (Casualties now top 18,000) According to NPA, so far 7197 are confirmed dead, and 10,905 reported missing to the police (10,905) totaling over 18,000. Prefecture by prefecture breakdown follows:

Miyagi police: 4289 confirmed dead, missing 2252
Iwate police: 2233 confirmed dead, missing 4253
Fukushima police: 619 dead confirmed, 4396 missing
Aomori: 3 dead
Yamagata 1 dead
Hokkaido 1 dead
Ibaraki 19 dead
Chiba 16 dead
Tokyo 7 dead
Tochigi 4 dead
Kagawa 4 dead
Gunma 1 dead

10:18 March 19 Saturday Reuters (Construction of temporary shelters has begun) The construction of temporary housing started on the 19th in Rikuzentakada, Iwate prefecture. The search for missing and the recovery of bodies will continue but the focus of activities is shifting now to life support efforts. There will be 200 temporary houses on the Takada Daiichi Junior High School grounds. Temporary houses are 30 square meters, 2 bedrooms with dining kitchen for two or three occupants. The plan is to build up to 8,800 similar houses in Iwate prefecture.

10:13 March 19, 2011 Yomiuri online (Russian President Medvedev) Russian President Medvedev noted at a Security Conference on the 18th that the country should consider accepting evacuees from the Japan Great Earthquake, and to provide support for employment in Siberia and Russian Far East. President Medvedev said that they are prepared to provide humanitarian relief such as water, food and medicine, and "it is necessary to consider accepting children, injured and others who need mental support to Russian Rest and Recreation facilities. He said, if necessary, we should consider using Japanese potential labor in Siberia and Russian Far East where labor is in short supply."

8:35 March 19, 2011 Saturday NHK (New 5.6 earthquake shakes Iwate Prefecture at 8:33) NHK aired at 8:35 breaking news on an M-5.6 earthquake that hit the Tohoku region at 8:33. The quake's epicenter was off the coast of Iwate and it registered 4 inland Iwate and elsewhere in the prefecture, and 3 in Miyagi and Aomori.

10:00

09:45 March 19, 2011 Saturday (Live victim rescued more than one week after disaster): Self Defense Forces HQ reported that a male victim was rescued alive from a destroyed house in the southern part of Kisenuma Miyagi prefecture March 19 around 9 am. The man was transferred to a hospital in Kisenuma city.

09:38 March 19, 2011 Saturday NHK online (Fukushima evacuees to be moved to Saitama) Saitama prefecture will accept about 1,800 people from Futaba-cho Fukushima prefecture to the Saitama Super Arena. Futaba-cho is located within the 20 km radius of the Fukushima Daiichi, and the population of 6,900 are to be evacuated. 40 buses will bring the 1,800 evacuees to Saitama Arena in the afternoon on the 19th. The Saitama Super Arena can accept up to 5,000 people. According to Saitama prefecture, as of 20:00 on the 18th, the number of evacuees are 799.

09:33 March 19, 2011 Saturday Jiji.com (PM seeks to expand cabinet, include opposition) PM Naoto Kan on the 19th, decided to urge opposition parties to participate in cabinet in order to enhance the efforts on East Japan Great Earthquake. He is thinking to revise the Cabinet Act to increase the number of ministers from the current 17 to 20. PM Kan will discuss with former DPJ presidents including Ichiro Ozawa to seek their understanding.

09:04 March 19, 2011 Saturday Sankei online (Radiation measurement by SDF helicopter) In early morning of the 19th, MOD sent a large SDF helicopter CH471 over Fukushima Daiichi nuclear power plant in order to measure the temperatures of reactors and the spent fuel pool by using infrared light from the air.

09:04 March 19, 2011 Saturday NHK online (Tokyo Fire Department to begin watering reactor) MOD high ranking official said in an NHK interview that after TEPCO is done with facilitating the power line to Fukushima Daiichi this morning, the Tokyo Fire Department will start watering the #3 reactor from ground after 1200 noon, and the SDF will water Reactor #4 from Ground.

08:45 March 19, 2011 Saturday (National Police Agency) Officials now report that the number of people evacuated prefecture by prefecture in Tohoku as of 2300 March 18 were as follows:

Aomori: 12 evacuation sites 367 people

Iwate: over 332 evacuation sites 49,454

Miyagi: 1,096 evacuation sites 187,719

Yamagata: 45 evacuation sites 3,440 (from Fukushima and Miyagi)

Ibaraki: 168 evacuation sites 4,871 (including from Fukushima)

Tochigi: 30 evacuation sites 1,028

Niigata: 53 evacuation sites 8,195 (from Fukushima)

06:14 March 19, 2011 Saturday NHK online (Severe cold across Tohoku) The morning of the 19th was another severely cold morning. According to the Meteorological Agency, starting in the evening of the 20, the weather will deteriorate, and heavy rain is expected. As of 5:00 am on Saturday, 1.8 degree below freezing in Iwate prefecture, 0.7 degree below freezing in Miyagi prefecture, 0.3 below zero in Fukushima prefecture were recorded.

06:52 March 19, 2011 Saturday: TEPCO announces connection to outside power lines complete. TEPCO posted on its Japanese language website a statement that it completed construction of a temporary substation to bring in power from the main power grid to the Fukushima Daiichi power plant. The statement said that TEPCO is now working on connecting this substation to the building around Reactor #2. It is not known whether the cooling pumps will function once connected to power.

06:00

05:55 March 19, 2011 Saturday (Mainichi: Japan cautious about allowing media access to TEPCO plant footage taken by U.S. drone): This morning's Mainichi reported that the GOJ is reluctant about allowing public access to aerial footage of the troubled-ridden TEPCO Fukushima nuclear station taken by Guam-based Global Hawk UAVs, even though the U.S. military has effectively said it would not raise objection to the opening of such images. The daily added that U.S. nuclear experts have examined the footage very closely at Andersen AFB on Guam.

05:43 March 19, 2011 Saturday (Yomiuri: U.S.-Japan disaster relief cooperation rapidly expanding): This morning's Yomiuri reported on enhanced coordination between the U.S. military and the SDF regarding ongoing disaster relief operations, spotlighting Okinawa-based Marines' efforts to reconstruct the Sendai Airport, which was flooded with debris by the tsunami. A military affairs analyst said this specific operation is quite effective, as the airport is now able to host aircraft carrying a large volume of relief supplies. Pointing out that several U.S. warships, including the USS Essex, have engaged in joint relief missions at various parts of the Tohoku region, the daily said these U.S. deployment plans remind of a scenario regarding bilateral defense coordination in the event of a contingency on the Korean Peninsula.

05:17 March 19, 2011 Saturday (WTO says radiation risk low outside of "off limits" area): NHK-TV reported at 3:14 on a press briefing on Friday by a WHO spokesman, who said that health risk from radiation from the crippled nuclear reactors at the Fukushima plant is low in areas outside of the GOJ-designated "off-limits" zone. The official reportedly said the current situation in Fukushima does not warrant the WHO issuing an advisory calling for people to leave Japan or against visiting Japan. On radiation inspections undertaken by several foreign governments of Japanese food imports, the WHO spokesman said there are no possibilities that imports from Japan are contaminated with radiation, given that foods were apparently not shipped out of the areas near the Fukushima nuclear station after the earthquake.

04:58 March 19, 2011 Saturday (Update on fuel situation): METI/ANRE's Oil and Gas Division's Director Hirai told EMIN on March 18 that the fuel situation should start getting better this weekend and through the coming week as two big refineries resume operations and 300 fuel trucks start deliveries in the disaster zone. Hirai passed us a list with the names and contact points of hundreds of gas stations that have been designated to provide priority access to any delivery truck with the special emergency stickers. These stations will also be first to receive fuel deliveries as they become available. METI has shared this list with trucking associations, police, local governments, and fuel distributors. Hirai said the list hasn't been released publicly yet, but his office is ready to share it with the pharmaceutical associations whose members are using their own trucks for deliveries. Hirai's office can be reached at +81 3-3501-1817.

04:50 March 19, 2011 Saturday (TBS-TV: Showering operation to continue for months, MOD official predicts): TBS-TV reported at 23:40 on the view expressed by an unnamed senior Defense Ministry official that the seawater spraying operation at the TEPCO nuclear plant by SDF and firefighters is likely to continue for at least next several months. Noting that only 140 tons of seawater has been dumped on the 3rd reactor until now but that the spent fuel pool at the site usually holds 1,400 tons of water, the official said the showering operation needs to be continued for at least months to cool the reactor itself, as well as the spent fuel pool.

04:23 March 19, 2011 Saturday (Ag Secretary Tom Vilsack statement on safety of imported food): "I know that there are many questions Americans might have about the terrible tragedies in Japan. I want

to reassure the American public that at this time we have no reason to suggest that any of our meat, poultry, dairy, or processed egg products are unsafe for consumption due to the recent events in Japan. Our food imports from Japan are quite limited. What we do import must meet the safety standards of this country. We monitor and inspect imports to insure compliance with those standards. Should any risk with imports arise, we have procedures and processes in place to identify problems and deal with them. While we continue to offer aid and assistance to the Japanese we do not intend to lose sight of our core mission which is make sure our food remains safe, abundant, and affordable."

04:14 March 19, 2011 Saturday (Yomiuri: Tsunami turned out to be more fatal than earthquake):

Yomiuri online reported at 3:04 on the finding by a Japanese forensic scientist that almost 90 percent of the victims he investigated in the quake-hit areas were apparently drowned, explaining that this contrasted to the Great Hanshin Earthquake, in which almost 80 percent of the victims were crushed to death under collapsed structures. The daily said the finding illustrated that the tsunami that followed the earthquake inflicted more serious damage than the quake itself.

04:00

04:00 March 19, 2011 Saturday (Yomiuri: Opposition leader rebuffs PM's offer for cabinet post): Yomiuri online reported at 3:06 that LDP President Tanigaki on Friday rejected an offer made by Prime Minister Kan that the top opposition leader assume a cabinet portfolio in charge of nuclear power accident issues. Tanigaki reportedly turned down the proposal on the ground that his acceptance would be tantamount to the formation of a "grand coalition" government with the ruling DPJ.

03:46 March 19, 2011 Saturday (Nikkei: Foreign manufacturers feeling the pinch from massive quake in Japan):

Nikkei online reported at 2:41 that the aftershock of the Great Tohoku Earthquake is reverberating across the manufacturing industry abroad, highlighting a GM announcement on Thursday regarding the temporary shutdown of an assembly plant in Louisiana in the face of mounting difficulties in procuring auto components from Japan. Noting that a number of factories producing world-class industrial parts in the Tohoku area sustained heavy damage, the daily said the closure of those production lines, if continued, is bound to have adverse effects on the performance of major manufacturers abroad.

03:21 March 19, 2011 Saturday (Mainichi: G7 acts jointly to prevent the Japan quake from having adverse effects on world economy):

Mainichi online reported at 1:32 that the G7 countries jointly intervened in the forex market on Friday in order to halt the yen's rise out of concern that the world economy would be hit hard if Japan's efforts to overcome the massive natural disaster were complicated as a result of its currency's appreciation. The daily said sympathy toward quake-hit Japan was a major driving force to prompt the G7 members to take a concerted action on the financial market for the first time in 10 years.

02:56 March 19, 2011 Saturday (Yomiuri: Foreign governments worry about GOJ response to nuclear accident):

Yomiuri online reported at 1:32 that discontent is mounting within the international community at Japan's response to nuclear accidents at the TEPCO Fukushima plant, focusing on alleged U.S. frustration at Tokyo's failure to provide timely information on the status of each trouble-ridden nuclear reactor. The daily called the USG's evacuation advisory recommending American citizens to stay out of the 50-mile-radius of the nuclear station as "overreaction" on the part of Washington, which it argued was caused by the Obama administration's doubts about the Japanese government's competence in responding to the nuclear crisis. The article claimed that other foreign governments are

apparently following the U.S. in advising their citizens to leave the area in the judgment that it would be safer to abide by U.S. recommendations than by Japanese advice.

02:17 March 19, 2011 Saturday (Asahi: U.S. accelerating moves to evacuate citizens out of Japan): Asahi online reported at 23:32 that the USG is rapidly moving toward pulling its citizens out of Japan, highlighting the revelation by DOS Under Secretary Kennedy on Thursday that some 100 dependents of U.S. diplomats flew to Taiwan from Tokyo on a chartered flight and that two additional chartered flights were planned on Friday. Kennedy also disclosed that a total of 14 large buses were arranged to evacuate as many as 600 Americans out of Sendai and nearby regions. DOD deputy spokesman Lapan, meanwhile, said that several thousand dependents of American service personnel would be airlifted out of Japan potentially on military planes. The daily also noted that passengers and cargo originating from Japan are currently subject to radiation inspections at port of entry in America, with U.S. customs authorities revealing that not-harmful levels of radiation had been detected on Japan-originating cargo at airports in Chicago and Seattle.

02:00

01:58 March 19, 2011 Saturday (Fuel rods at 4th reactor potentially most vulnerable to overheating): Asahi online reported at 23:31 on the TEPCO announcement concerning the status of pools storing nuclear fuel rods at the Fukushima No.1 power plant, saying that a total of 4,546 fuel rods are currently being stored at six reactor sites. Pointing out that the 4th reactor storage pool contains a total of 783 spent fuel rods, as well as another 548 unspent rods, the article said heat generation power at this reactor is by far the strongest among the six reactors.

01:40 March 19, 2011 Saturday (China refuses to unload cargo from Japan because of radiation fears): Asahi online reported at 1:01 that Chinese quarantine authorities at Dalian airport refused to unload Japanese cargo aboard an ANA flight on Wednesday on the ground that radiation at the aircraft's cargo compartment marked an abnormal level. The aircraft reportedly flew back to Japan without unloading the shipment. A Japanese aviation official noted that this kind of reaction to Japan-originated shipment on the part of foreign authorities is possible in view of the Fukushima nuclear accident and that the GOJ may take appropriate steps if a solid ground for such a refusal is not presented.

01:21 March 19, 2011 Saturday (Major U.S., European energy firms to send more oil, natural gas to Japan): Nikkei online reported at 0:43 that U.S. and European energy firms, including Chevron and Royal Dutch Shell, are set to increase oil and natural gas shipment to Japan in order to respond to an anticipated sharp increase in demand for thermal power generation fuel.

01:12 March 19, 2011 Saturday (U.S. too busy with relief operation in Japan to intervene in Libya): Nikkei online speculated at 0:40 that the Obama administration is hesitant about committing ground troops in Libya, given that the U.S. military is currently preoccupied with the war on terror in Afghanistan and disaster-relief operations in Japan.

01:00 March 19, 2011 Saturday (Firefighters begin showering water on 3rd reactor after midnight): NHK online reported at 0:47 that a Tokyo Metropolitan Fire Department unit began showering seawater on the 3rd nuclear reactor at TEPCO Fukushima plant at about 0:30. The unit is expected to dump seawater onto the trouble-ridden reactor continuously for about 30 minutes.

00:44 March 19, 2011 Saturday (Tiny amount of radioactive material detected in California): Nikkei online reported at 0:22 on the revelation by a diplomatic source that a very tiny amount of radioactive material, apparently spewed from the TEPCO Fukushima plant, has been detected at a monitoring post in California.

00:37 March 19, 2011 Saturday (Japan FM to brief his China, ROK counterparts on nuclear accidents): Nikkei online reported at 23:20 on press remarks on Friday by Foreign Minister Matsumoto, who said that he will provide a briefing on the ongoing nuclear crisis at TEPCO Fukushima plant to his Chinese and South Korean counterparts during a tripartite foreign ministerial meeting to be held on Saturday in Kyoto.

00:13 March 19, 2011 Saturday (Some 120,000 houses damaged by quake, tsunami): NHK reported online at 23:51 on the announcement by the National Police Agency that across Japan, approximately 120,000 structures sustained damage from the March 11 earthquake and tsunami. At least 7,700 houses were completely destroyed, including 4,190 in Iwate and 2,413 in Fukushima Prefectures.

00:00

23:50 March 18, 2011 Friday (Very large areas flooded by tsunami): TBS online reported at 21:57 on the estimate provided by the Geographical Survey Institute that the total land area in the Tohoku region that was swept by the tsunami last Friday amounted to 400 square kilometers, or about 6.4 times bigger than the area inside Tokyo's JR Yamanote line. Satellite photo analysis showed that Ishinomaki City, Miyagi Prefecture was the worst in terms of total area flooded by the tsunami, at 40 square kilometers. The tsunami apparently reached areas of the city as far as approximately 8 kilometers away from the shoreline.

23:30 March 18, 2011 Friday (No rolling electricity shutdown on Saturday): Nikkei online reported at 22:23 that TEPCO decided not to enforce the scheduled power blackout for Saturday based on the assumption that electricity demand would be not so strong because businesses will be largely closed on weekend.

23:28 March 18, 2011 Friday (Sarkozy asks for info on Fukushima crisis): Nikkei online reported at 22:06 that PM Kan on Friday evening spoke by phone with French President Sarkozy, who asked many questions about the status of the nuclear crisis on Fukushima. The French leader also told Kan: "Please let me know whatever support you want us to provide."

23:17 March 18, 2011 Friday (Yomiuri: Foreign diplomatic corps "abandon" Tokyo): Yomiuri online reported on growing moves among foreign diplomatic corps based in Tokyo to evacuate their family members out of Japan and to move embassy functions to other parts of Japan. The USG chartered a commercial flight to evacuate some 100 Americans to Taiwan, while Pentagon has decided to assist the voluntary evacuation of dependents of service members based in the mainland Japan. Meanwhile, Germany has moved its consular functions from Tokyo to Osaka, whereas the French Embassy has reduced the number of its diplomats working in Tokyo.

23:01 March 18, 2011 Friday (U.S. using Global Hawk UAVs and U2 planes to collect data): Kyodo summarized at 21:55 a NYT story that claimed that the Obama administration is mobilizing Global Hawk UAVs and U2 reconnaissance planes to collect data on the situation of the trouble-ridden Fukushima nuclear station, saying the move represents that Washington is considering the current situation as a

security crisis and that it wants to analyze the status independently based on the judgment that the utility's initial failure to grasp the damage on the reactors has aggravated the situation.

22:25 March 18, 2011 Friday (PM to visit disaster areas): Jiji Press reports that according to Chief Cabinet Secretary Edano, coordination is underway for PM Kan to visit the areas devastated by earthquake/tsunami as soon as March 21.

22:18 March 18, 2011 Friday (Three police at plant exposed to 9x safe radiation limit): Sankei Online reported that the Tokyo Metropolitan Police Department revealed today that three members of its special task force assigned to spray water into Reactor No. 3 on March 17 were exposed to up to 9 millisieverts of radiation. This is 9 times the normally allowed maximum radiation for one year. However, the MPD has set 90 millisieverts as the upper limit of radiation exposure on this mission.

22:11 March 18, 2011 Friday (MOD to measure temperatures from the air tomorrow): Sankei Online reports at 21:45 that the Defense Ministry decided today to measure the temperatures of the reactors and storage pools of spent nuclear fuel at the Fukushima Daiichi Nuclear Plant from the air in the early morning of March 19. MOD engineers will use infrared rays to take measurements aboard large CH-471 transport helicopters. This will also help assess the effectiveness of dumping water on the reactors from helicopters. These officials will also take photos to assess the damage to the outer buildings and core of the reactors.

22:00

21:44 March 18, 2011 Friday (TEPCO apologizes): NHK online reported that a TEPCO managing director held a news conference tonight in Fukushima City, where he apologized for the disaster at the Fukushima Daiichi Nuclear Plant. He noted that Reactors Nos. 1-3 will "inevitably" remain offline permanently.

21:17 March 18, 2011 Friday (Water spraying tonight cancelled): NHK reported that the SDF has called off its plan to conduct a second round of water spraying tonight into Reactor No. 3, in order to give priority to other operations at the nuclear plant, including the installation of power lines.

20:56 March 18, 2011 Friday (Aftershock prediction): The Japan Meteorological Agency downgraded the probability a magnitude 7.0 aftershock in the next three days to 30%. The JMA previously assessed the odds at 70% on March 13, and 40% since March 14.

20:47 March 18, 2011 Friday (Updated casualty figures): The National Police Agency reports that 6,911 people have died, 2,356 are injured, and 10,316 are still missing.

20:42 March 18, 2011 Friday (PM Kan addresses nation): In PM Kan's message for the Japanese people one week after the March 11 earthquake, he conveyed his condolences to the victims and expressed his sympathy to people taking refuge at evacuation centers. He also praised how well the Japanese people have coped with the tremendous tragedy. Kan thanked the 117 countries and 29 international organizations that offered Japan assistance.

Kan cited the aftermath of the giant quake/tsunami and the nuclear accidents as the two challenges facing Japan. He said the government is determined to do everything in its power to help rehabilitate the victims and overcome this difficult situation.

Kan characterized the nuclear accident at the Fukushima Daiichi Nuclear Plant as "still in the balance," but he promised that all the parties concerned are doing everything possible to overcome this crisis and give the people peace of mind as soon as possible.

He called on the people of Japan not to be daunted by the country's "greatest crisis" since WWII. He referred to Japan's postwar economic miracle and called on the people to overcome this crisis in the same spirit of "rebuilding Japan from scratch."

Kan was asked by a reporter about criticism of the government's handling of information dissemination. Kan asserted that he and the chief cabinet secretary shared everything they knew with the people. He reiterated that while the crisis is ongoing, the government hopes to get the situation under control and emerge from the present difficulties "in the near future."

20:20 March 18, 2011 Friday (Displaced people): About 380,000 earthquake and tsunami evacuees were staying in 2,200 facilities, Kyodo News reported.

20:00

20:02 March 18, 2011 Friday (DHS to screen passengers, cargo from Japan): NHK Online reports at that in light of the situation at the Fukushima Daiichi Nuclear Plant, Homeland Security Secretary Napolitano announced that DHS will conduct radiation screening on travelers and cargo arriving at U.S. airports from Japan.

20:00 March 18, 2011 Friday (Crown Prince and Princess decline invite to royal wedding): NHK reports on its website that the Crown Prince and Crown Princess have decided not to attend the wedding of Prince William in London on April 29, due to the unprecedented scale of the disaster.

19:59 March 18, 2011 Friday (IAEA officials coming to Tokyo): Jiji Press reports that IAEA Director General Amano told METI Minister Kaieda today that IAEA will station more officials in Tokyo to promote closer cooperation with GOJ and monitor radiation levels in light of the situation at the Fukushima Daiichi Nuclear Plant. Monitoring may start as soon as tonight.

19:10 March 18, 2011 Friday (Hospitals in disaster region struggling with lack of power, supplies, food): The Yomiuri reported that one week since the earthquake, many patients are still stranded in hospitals that do not have electricity, food or medical supplies. "The situation is deteriorating day by day," said the paper. "Some are suffering from malnutrition." Patients cannot be moved to other hospitals easily. They are waiting for help.

Ishinomaki Kowan Hospital in Miyagi Prefecture is still without power, and its request to transfer 120 critical patients to another hospital was turned down. Over 40 staff (1 in 10) are still missing.

The Sennan Chuo Hospital in Shibata, Miyagi Prefecture, exhausted its rice reserves on March 17. Desperate, hospital administrators posted a plea for help on the internet, and has since received 1-2 weeks' of food and drinks. However, several patients fell critically ill before the relief goods were delivered.

Other hospitals in the region are operating with only half (or less) of their doctors and nurses. Some are missing, others have fled, and gas shortages are affecting people's ability to commute.

Structural damage remains a concern. Hoshina Hospital in Koriyama, Fukushima Prefecture decided to close down due to concerns about the building collapsing, transferring or discharging its 142 patients. Staff members have been laid off.

18:52 March 18, 2011 Friday (Other missions expand evacuation zone): According to Nikkei, following the USG's recommendation to Americans that they remain at least 50 miles (80km) from the Fukushima Daiichi nuclear plant, the UK, South Korea, Australia and New Zealand on March 17 echoed the advice to their citizens. Going further, the Singaporean Foreign Ministry spokesman on the 17th released a statement that its embassy in Japan is prepared to have its people living within a radius of 100 kilometers leave Japan.

18:46 March 18, 2011 Friday (Private sector assisting at nuclear plant): Nikkei reported that Heavy electric machinery firms Hitachi, Toshiba and IHI have begun supporting the crisis management efforts at the Fukushima Daiichi nuclear power plant. Toshiba has dispatched 60 engineers to the troubled plant, Hitachi has sent 47 and IHI has sent 30. Those engineers will assist with the procurement of equipment and pumping water.

18:15 March 18, 2011 Friday (Nuclear disaster upgraded from 4 to 5): Yomiuri Online reported that at a news conference shortly before 18:00, NISA upgraded disaster at the Fukushima Daiichi Nuclear Plant from 4 to 5 on the International Nuclear and Radiological Events Scale, and has informed the IAEA. The justification given was that "over 3% of the fuel in the reactor core has been damaged and radiation has leaked outside the nuclear plant."

18:00

17:52 March 18, 2011 Friday (Nikkei closes up): Stocks in disaster-stricken Japan capped a turbulent week with solid gains Friday after finance ministers from the Group of Seven nations announced a coordinated intervention in the currency market to prevent the yen from rising further. The Nikkei 225 index, the most prominent measure of stocks traded in Tokyo, climbed 244 points, or 2.7%. For the week, the index was down 10.2%, but has rebounded 7% since suffering the third-worst drubbing in its history on Tuesday. (CNN)

17:51 March 18, 2011 Friday (Nikkei calls U.S.-Japan cooperation "full-fledged"): An article in Nikkei discussed the close cooperation of the U.S. and Japan in dealing with the ongoing disasters in Tohoku, noting the provision of fire trucks, unmanned Global Hawk drones, and teams of radiation analysts and engineers—in addition to other emergency personnel.

17:49 March 18, 2011 Friday (500 foreigners unaccounted for): NHK reported that roughly 500 foreigners are among the over 10,000 still missing in the disaster-affected regions. The Ministry of Justice has established a website specifically dedicated to "confirming the safety of foreign nationals, who may have fallen victim to the earthquake," said the National Police Agency.

19:42 March 18, 2011 Friday (Updated casualty figures): The National Police Agency reports that 6,548 people have died, 2,516 are injured, and 10,354 are still missing.

17:21 March 18, 2011 Friday (Fukushima hospitals running out of medical supplies, food): NHK reported that medical supplies are running critically low at Aozorakai Omachi Hospital in Minami-Soma City, Fukushima—located roughly 25km from the Fukushima Daiichi nuclear power plant. Air drops of supplies have not been enough to keep up with needs. In addition, breakfast on Saturday for patients will exhaust food supplies for the hospital. At least two people have died because the hospital has run out of IVs.

17:08 March 18, 2011 Friday (Kyodo op-ed calls for nuclear overhaul): A March 18 op-ed by James Action of the Carnegie Endowment for International Peace, published by Kyodo and entitled “Forging a safer nuclear future for Japan,” noted that neither the Fukushima Daiichi plant or Niigata’s Kashiwazaki-Kariwa plant (which was damaged by a magnitude-6.8 quake in 2007) were adequately protected against natural disasters. The op-ed called on the GOJ to commission a panel of independent scientific experts study whether Japan’s nuclear power plants may be affected not only by natural disasters but also by terrorism. “Most importantly,” the author concluded, “they should be tasked with recommending steps to address whatever deficiencies they identify. The Japanese people deserve no less.”

16:59 March 18, 2011 Friday (Temperatures in the spent fuel pools): CNN reported, citing the IAEA, that the temperature of the spent fuel pools of the Nos. 5 and 6 nuclear reactors at the Fukushima Daiichi power plant remain high but relatively stable. The unit 5 pool measured at 64.2 degrees Celsius (148 degrees Fahrenheit) at 3 a.m. Thursday, rising slightly in a reading 15 hours later to 65.5 degrees Celsius, according to the IAEA. The unit 6 temperature measurement went down slightly, from 62.5 degrees Celsius at 3 a.m. to 62 degrees Celsius at 6 p.m. Typically, the water in spent fuel pools is kept below 25 degrees Celsius, with the water boiling off - and releasing radioactive vapors - when temperatures surpass 100 degrees. After last Friday's 9.0-magnitude earthquake and subsequent tsunami, the main power source used to cool these waters - as well as several back-up systems - for the plant's six reactors were knocked out. The IAEA noted that an emergency diesel generator, tied to the No. 6 reactor, is now pumping water into that and the No. 5 unit. (CNN)

16:45

16:35 March 18, 2011 Friday (Number of GOJ emergency workers): The National Police Agency issued a release, based on information from the Cabinet Office, with the total number of Japanese government relief workers deployed to the disaster zone: 5,653 police officers, 5,747 fire officials, 76,000 members of Japan’s Self-Defense Force, and 18 Disaster Medical Assistance Teams.

16:27 March 18, 2011 Friday (Farm ministry to cooperate in radiation checks on foods): Kyodo reported that Farm minister Michihiko Kano said Friday his ministry will cooperate in investigations by local governments into residual radioactivity on agricultural products in the wake of the nuclear accident at Fukushima Daiichi. Ibaraki and other prefectural governments are eyeing conducting such a probe. The move came after the Health, Labor and Welfare Ministry set provisional criteria of acceptable radioactivity levels for food products, and instructed prefectural governments to conduct the investigation.

16:15 March 18, 2011 Friday (Death toll tops 1995 Kobe quake): NHK reported at 15:21 that the National Police Agency’s death toll of the earthquake and tsunami reached 6,539, with 10,354 still missing, making this Japan’s deadliest natural disaster since the 1923 Kanto earthquake, which left around 142,000 dead. The 1995 Earthquake in Kobe killed 6,539.

16:07 March 18, 2011 Friday (Western Japan urged to boost productivity): Minister of Economy, Trade and Industry Banri Kaieda called on companies in western Japan on Friday to boost economic activity to prevent the country's economy from further slowing in the wake of last week's devastating earthquake and tsunami that hit the northeastern and eastern regions, according to Kyodo. He made the remark as TEPCO implemented rolling blackouts for the fifth consecutive day in the Kanto region, which includes Tokyo.

16:01 March 18, 2011 Friday (Despite power shortages, baseball season to begin on time): Kyodo reported that Japanese professional baseball's Central League will proceed with the March 25 opening of official games as planned. Industry minister Banri Kaieda said he hopes the games will not be held in areas facing potential blackouts due to electricity shortages, such as Tokyo Dome. According to the Energy Conservation Center in Tokyo, a night game at Tokyo Dome consumes 50,000 to 60,000 kilowatts of electricity per hour, equivalent to that consumed by about 4,000 households in one day.

15:52 March 18, 2011 Friday (PM vows to disclose more info on nuclear crisis to IAEA chief): Prime Minister Naoto Kan pledged to disclose as much information as possible regarding the ongoing nuclear crisis to the international community, during his meeting Friday with International Atomic Energy Agency chief Yukiya Amano. Kan made the promise after he was asked by Amano to increase the amount of detailed information on the situation at the Fukushima Daiichi nuclear power plant. Kan also said Japan will enhance its monitoring of radiation and other developments concerning the plant, which has been facing a number of serious problems since the March 11 devastating earthquake and tsunami.

15: 41 March 18, 2011 Friday (DOD \$35 million humanitarian assistance fund): Japanese Twitter users have picked up a DOD news release that Defense Secretary Gates has authorized up to \$35 million in initial Defense Department funds for humanitarian aid to Japan. The funding is in addition to \$8 million in total planned aid to Japan from USAID.

15:00 March 18, 2011 Friday (Water-spraying at Reactor No. 3): NHK reported at 14:58 that the SDF started spraying water into the Fukushima Daiichi Reactor No. 3 from 13:55 to 14:40. NHK then aired at 15:03 a live press conference by the ASDF chief of staff, who said six SDF fire trucks and one U.S. military fire truck have been utilized for the water spraying operation, which is set to resume later today. There are no plans to use helicopters to drop water, like yesterday.

14:46 March 18, 2011 Friday (One week since on): NHK broadcast a moment of silence being observed in shelters, exactly one week after the 9.0 earthquake that has devastated Japan's Tohoku region.

14:10

14:10 March 18, 2011 Friday (NHK live coverage of cooling efforts at Fukushima plant): NHK is covering live the water injecting efforts at the Fukushima Daiichi nuclear power plant that began just before 14:00. NHK is speculating that a Self Defense Force fire truck is shooting water at the 3rd reactor of the plant.

14:10 March 18, 2011, Friday (Construction of temporary housing to begin tomorrow): NHK reported at 13:40 that the Ministry of Land, Infrastructure, and Transport (MLIT) has decided to construct 200 temporary houses in Rikuzentakada in Iwate Prefecture and that the construction work will start

tomorrow. The network said that MLIT estimates that as many as 14,000 temporary houses in Fukushima, 10,000 in Miyagi, and 8,800 in Iwate are needed to shelter those who have lost their houses by the disaster.

14:00 March 18, 2011 (Nepal relocates embassy from Tokyo to Osaka): Kyodo reports that Nepal's Embassy in Tokyo has been temporarily moved to Osaka amid radiation fears in Tokyo, a Foreign Ministry spokesman said Friday. "All our embassy staffers have moved to Osaka from where they will conduct operations from Friday," Harish Chandra Ghimire told Kyodo News. It is unclear how long the embassy will operate from Osaka. "The staffers will move back to Tokyo after radiation fears subside," Ghimire said.

14:00 March 18, 2011, Friday (American Airlines and Narita update): As of about 10 a.m. today, there were seats available on every American Airlines flight out of Tokyo—departing from both Haneda and Narita—for today and tomorrow. Flights were about 85-90% full. See photo below taken currently (March 18, 14:30) showing the line to check baggage at Narita Airport. Photographer noted that the queue extended out of the check-in area, through the entire shopping and food court area, and out to the other side of the terminal.



14:00 March 18, 2011, Friday (Diet passes bill to put off April local elections in quake-hit areas): Japan's parliament endorsed on Friday a plan to put off gubernatorial, mayoral and assembly elections in April in areas hit hard by a devastating earthquake and tsunami a week ago. A special bill for postponement of at least two months was enacted into law after almost all ruling and opposition lawmakers voted in favor in the Upper House (Note: The bill passed the Lower House earlier. End Note.) The rescheduling will come into force as early as next Tuesday as official campaigning for the gubernatorial race in Iwate

Prefecture was scheduled to start March 24. Prefectural election boards in the quake-hit areas, such as Iwate, Miyagi and Fukushima, will be allowed to determine if they can hold the elections or put them off for two to six months from when the law becomes effective. Nationwide local elections for regions which have not been severely affected by the calamitous March 11 quake and tsunami are expected to be held April 10 and April 24 as planned.

13:59 March 18, 2011, Friday (VOA: "U.S. Donations to Japan Lower Than After Other Disasters"):

According to a March 17 article in VOA news.com, some U.S. non-profit groups say donations are slow in coming after a week has passed since the deadly earthquake and tsunami in Japan. International aid efforts are underway, but donations from Americans lag compared to earthquake relief for Haiti last year. "My understanding is Japan is a very wealthy country so it hadn't really crossed my mind that they would need donations," one American man said. Another American said, "It just didn't occur to me because their government is equally as powerful as the United States." But survivors say they don't have enough now. "What we're lacking most is water, and vegetables. We need vitamin C," according to one survivor. "Going to the bathroom is a major problem, too." After disaster struck Japan, Americans donated some \$64 million in five days, compared to \$210 million for Haiti, according to The Chronicle of Philanthropy.

13:41 March 18, 2011, Friday (SDF reservists called up): According to an NHK report from March 16, 22:39, Defense Minister Kitazawa issued an order to call Self Defense Force (SDF) reservists to duty on March 16. Currently, reservists number 32,000 and ready reservists are 5,600 throughout Japan. Reservists are assigned to assist with water supply and life support in distressed areas. Some are to serve as interpreters between SDF and U.S. Forces. This is the first case ever that reservists have been called to active duty, not training, since the start of the reservist system in 1954 and ready reservists system in 1998.

13:40 March 18, 2011 (Consulate Nagoya update, March 18, 1400): Seven dependents (six from the Consulate and one from the Embassy) departed Nagoya Centrair Airport for Detroit on voluntary departure at 1300 today. Our four remaining dependents have chosen to stay in Nagoya. Principal Officer Jonas Stewart shared warden information and answered questions at a gathering of approximately 50 Americans and other expatriates in Nagoya last night. Attendees were calm and focused on initiating local humanitarian aid efforts for the Tohoku region. Consulate Nagoya continues to receive a manageable stream of calls from American citizens in the region and concerned family members in the U.S. Three officers at post will share duty calls over the weekend if the volume increases.

13:40 March 18, 2011 (Australia upgrades travel advisory, urges citizens to leave Tokyo): Kyodo reports from Sydney that the Australian government on Friday directly urged its citizens to leave Tokyo and vicinity, in an upgraded travel advisory that alluded to concerns about radiation exposure for the first time. "If you are an Australian citizen currently in Tokyo...and your presence is not essential then you should leave," Foreign Minister Kevin Rudd said in an interview with Nine Network. He said the advice also applies to areas north of Tokyo on the main island of Honshu that were affected by last week's earthquake and tsunami. The latest travel advisory issued by the Department of Foreign Affairs and Trade cites "disruptions to essential services, infrastructure damage, strong aftershocks and continuing uncertainty about the status of the Fukushima Nuclear Power Plant." It says Australians in Tokyo and affected areas "should, unless their presence in Japan is essential, make arrangements to leave — either

to Southern Japan or elsewhere.” The previous travel advisory, issued Wednesday, had merely urged Australians in Tokyo and vicinity to “consider departure” in view of the breakdown of essential services, and it made no mention of concerns over explosions at the nuclear power plant in Fukushima Prefecture. Rudd said Australian consular officials are stationed at Tokyo airports “assisting Australians onto flights and making other practical arrangements as is necessary.” He said that while there is still good availability on commercial flights out of Japan, his government is also engaged in contingency planning in case the situation changes. There are still no reports of Australian casualties in Japan. Rudd said 14 Australians are still unaccounted for in areas affected by last week’s natural disaster, down from an initial list of 143. “We’re going from morgue to hospital to emergency shelter to get this list down and we’re then seeking to transport Australians who we find from there back to Tokyo,” he said.

12:40 March 18, 2011, Friday (Yomiuri report on reaction in U.S.): Yomiuri posted a report from Washington on its website at 12:40 saying that frustration is mounting in the U.S. toward the “lack of sense of crisis” on the part of the Japanese government with regard to the continued serious situation in the Fukushima Daiichi nuclear plant where radioactive material has leaked. The paper wrote that, during the press conferences by NRC Chairman Jaczko and Deputy Secretary of Energy Poneman, American journalists asked such questions as: “Do you believe that the Japanese government can handle this crisis?” or “Are you satisfied with the disclosure of information in Japan?”

12:30 March 18, 2011, Friday (DOD preparing to dispatch 450 specialists to Japan): Yomiuri posted a report from Washington on its website at 10:40 saying that the Department of Defense on Thursday began preparations to send Japan a special unit capable of operating in a radiation-contaminated area if the situation in the Fukushima plant deteriorates further. According to the paper, PACOM Commander Admiral Willard has told the press that as many as 450 experts on radiation damage are making preparations.

11:55 March 18, 2011, Friday (Akita Shinkansen service between Akita and Morioka resumed this morning): NHK reported at 11:45 that the Akita Shinkansen system resumed part of its service early this morning, specifically the route between Akita and Morioka. The broadcaster said that the restoration of train systems in Tohoku will help transport supplies to the disaster-hit areas.

11:40 March 18, 2011 Friday (NPA update on number of casualties): NHK reported at 11:35 that, according to the National Police Agency, the total number of dead and injured from the earthquake and tsunami has reached surpassed 16,000, with 6,405 deaths and 10,259 missing.

11:25 March 18, 2011 Friday (CCS Edano press conference): NHK aired live coverage of a press conference by Chief Cabinet Secretary Edano that started at 10:55. Edano talked about yesterday’s efforts to inject water into the fuel pool at the Fukushima plant, saying that water was successfully injected in the pool but the level of the water in the pool has not yet been determined. Edano also said that TEPCO will concentrate its efforts in restoring electricity at the plant this morning, and water spraying operations will be conducted in the afternoon. Edano stated that, in general, the radiation detected in the area surrounding the plant is within the level that is not harmful to human health. When asked about a press report this morning alleging that the GOJ turned down initial U.S. offer of assistance, Edano dismissed it by saying that the GOJ, at least at the Kantei level, has not done so. NHK showed a chart of radiation levels measured before and after the water pouring efforts on Thursday, which said that radiation in the area near the west gate of the plant was 309 microsieverts at 15:30 on Thursday, 292 microsieverts at 20:40, and 271 microsieverts at 7:30 on Friday.

11:00 March 18, 2011 Friday ('Weeks' needed to cool down Fukushima nuke reactors: U.S. regulator): Kyodo reported from Washington that A top U.S. nuclear regulator indicated Thursday it is likely to take several weeks to cool down troubled nuclear reactors in Japan's northeastern prefecture of Fukushima. "This is something that will take some time to work through, possibly weeks, as you eventually remove the majority of the heat from the reactors and then the spent fuel pools," U.S. Nuclear Regulatory Commission Chairman Gregory Jaczko told a news conference at the White House. While noting the situation of Tokyo Electric Power Co.'s Fukushima Daiichi Nuclear Power Station "continues to be very dramatic," Jaczko declined to say whether Japan will avoid a worst-case scenario. "I really don't want to speculate on where this could go," he said, adding that the United States will continue to provide Japan with necessary support to address the problem. Japan is struggling to prevent high levels of radiation from emitting from the reactors that were hit by a powerful earthquake and tsunami a week ago.

10:50 March 18, 2011, Friday (DOD send experts to Japan): NHK reported that the U.S. Department of Defense announced on Thursday that it has dispatched 9 radiation experts to Japan, as the situation in the Fukushima plant is apparently becoming worse. The network said that DOD deputy spokesman Lapan said on Thursday that experts on nuclear and biochemical weapons have been sent to Japan. The spokesman also said that the DOD is prepared to send its special units stationed in Okinawa and the U.S. mainland that are trained for dealing with possible radioactivity by nuclear attack if there is a request from Japan, .

08:59 March 18, 2011, Friday (temporary quarters for Embassy families in Fukuoka): For Embassy families want to relocate within Japan to the Fukuoka area, Consulate Fukuoka reports that hotel occupancy in Fukuoka city is filling up fast (on average over 80% already) and there won't be many options soon. However, the navy base at Sasebo (Commander Fleet Activities Sasebo, or CFAS) has offered some space, though not free. The Consulate can assist with the Sasebo option. Please contact the Consulate at <http://fukuoka.usconsulate.gov/contact.html>

12:00 March 18, 2011 (Narita Airport access): According to press reports, part of the Shuto Expressway (from Kasai to Shinkiba) that goes to Narita Airport has been blocked and is unusable. (Note: Embassy Motorpool advises that despite this, motorists are able to get to Narita by using local roads for about ten minutes to get around the closed section of the expressway. End Note.)

12:00 March 18, 2011 (SDF fire engines to spray water on Reactor #3): According to an NHK report from 09:42 today, the Ministry of Defense said that Self Defense Force fire engines will conduct another round of water spray operations on Reactor #3 at the Fukushima nuclear power plant this afternoon.

12:00 March 18, 2011 (Half of Sendai Airport now usable for rescue aircraft): According to the Asahi, half of the 3,000m runway at tsunami-washed Sendai Airport is now usable for some rescue aircraft, including the C-130. The control tower and guiding lights are not usable so visual landing/takeoff is necessary. The timing for resumption of commercial flight service is unknown.

11:00 March 18, 2011 (Massive blackout in Tokyo area avoided Thursday after government warning): Kyodo reported that the Tokyo area barely avoided experiencing unpredictable massive blackouts on Thursday after the government warned in the afternoon that power demand in the region was increasing too much amid cold temperatures and further pressed businesses and individuals to save power. The level of demand neared that of the day's supply capacity for some time in the morning and

the afternoon, even as Tokyo Electric Power Co. implemented rolling blackouts Thursday for the fourth consecutive day. The blackouts, which were mainly in the Kanto region surrounding Tokyo, were to cover substantial power shortages following last week's massive earthquake and tsunami in Japan that crippled some nuclear power plants. As an emergency measure, the Land, Infrastructure, Transport and Tourism Ministry asked railway operators serving the metropolitan area to reduce the number of trains from the evening, when the use of electricity was expected to peak for the day as commuters headed for home. Railway operators, including East Japan Railway Co., Tokyo Metro Co. Odakyu Electric Railway Co. and Tokyu Corp., said they would cut the number of local trains in the Tokyo metropolitan area from 5 p.m. Thursday. Among other businesses, many companies sent workers home early, while some department stores in Tokyo decided to close earlier than scheduled. Convenience store operator FamilyMart Co. plans to halve the fluorescent lighting at its stores. Some 18 million households were affected by TEPCO's electricity rationing for Thursday, some areas experiencing scheduled blackouts twice. Tohoku Electric Power Co. serving northeastern Japan, meanwhile, forwent power rationing all day Thursday and said it is unlikely to implement the measure on Friday. Confusion has continued since the start of the area-by-area power rationing Monday, with more than 120 cases of people getting stuck in elevators reported so far and many shops forced to suspend business for the time being. The power saving measure is expected to continue until the end of April in areas around Tokyo, stirring concerns over economic stagnation and disruption to people's lives.

11:00 March 18, 2011(Radiation down consistently at one point in Fukushima plant): Radiation readings at the troubled Fukushima Daiichi nuclear plant have consistently followed a downward path through Friday morning, according to Nuclear and Industrial Safety Agency measurements taken roughly 1 kilometer west of the plant's No. 2 reactor. The agency also said Friday the radiation reading at 5 a.m. Friday came to 279.4 microsievert per hour, compared with 292.2 microsievert per hour at 8:40 p.m. Thursday, shortly after the Self-Defense Forces discharged water from fire trucks in an attempt to cool an apparently overheating spent fuel pool. In an unprecedented move, up to 64 tons of water was discharged by helicopters and fire trucks of the SDF as well as a water cannon truck of the Metropolitan Police Department into the pool at the No. 3 unit of Tokyo Electric Power Co.'s Fukushima plant Thursday. The mission will continue Friday as part of the effort to avert any massive release of radioactive materials into the air from the pool, while efforts to restore the lost cooling function by reconnecting electricity to the plant through outside power lines have accelerated, according to the government. The spent fuel pools at the power station lost their cooling function after the quake and tsunami struck last Friday. It is also no longer possible to monitor the water level and temperature of the pools of the No. 1 to 4 units.

9:30 March 18, 2011, Friday (G7 agrees on coordinated forex intervention): NHK aired as breaking news at 9:10 that the G7 agreed this morning through an emergency telephone conference among its member nations that they will step into the currency markets in a coordinated manner.

9:25 March 18, 2011, Friday (21 patients from Okuma Town die at shelters): NHK reported during its 9:00 news program that 14 patients who were transferred from Futaba Hospital in Okuma Town in Fukushima Prefecture that is within the 20-km evacuation area have died at shelters in Iwaki City in Fukushima Prefecture. NHK said that, according to the Fukushima prefectural government, seven other patients who have been transferred from the same hospital to other shelters in the prefecture have also died by Friday.

9:15 March 18, 2011, Friday (Relief supply efforts being stepped up): NHK reports that the Self Defense Force (SDF) is fully prepared to conduct another water spray operation at the Fukushima nuclear plant. The network said that the SDF has determined that it will be possible for the SDF to continue its aerial water spraying mission following its finding that the level of radiation detected from the 17 pilots who were engaged in yesterday's cooling operation was below one millisieverts, which is not harmful to human health. SDF fire trucks assembled from bases nationwide are arriving at the Ground SDF Koriyama base in Fukushima prefecture.

0900 March 18, 2011 Friday (Crews work to supply emergency power to nuclear plant): VOA reports that Japanese engineers worked through the night Thursday to extend an emergency power cable to the Fukushima Daiichi nuclear reactor complex crippled by last week's earthquake and tsunami. A steady supply of power could enable workers at the plant to get water pumps working again in their urgent effort to cool off overheated nuclear fuel rods. The cooling problem is particularly critical at one of the plant's six nuclear reactors, where the risk of an increased level of radioactive leaks is considered particularly high. The U.N. nuclear agency reported the situation at the Fukushima nuclear station was "very serious" Thursday, but that the problems caused by last week's natural disaster had not become significantly worse during the previous 24 hours. That assessment was delivered before the announcement late Thursday night that the circuit delivering electric power to the plant had just been restored.

0900 March 18, 2011 Friday (Tokyo Morning Press Highlights): All Japanese dailies gave top play this morning to the Self Defense Force's continued efforts on Thursday to cool the overheated spent fuel pool in the 3rd reactor at the Fukushima Daiichi nuclear power plant, including using helicopters and fire trucks to douse it with water.

0900 March 18, 2011 Friday (Japanese media--Foreign nations beginning to lose trust in information from Japan): *Asahi* ran an inside-page report from Washington claiming that the difference between the distances designated by the USG and GOJ for evacuating people from the area around the Fukushima nuclear plant has caused the U.S. and European nations to lose trust in information released by the GOJ and TEPCO concerning the nuclear accidents at the plant. The paper wrote that CNN anchor Anderson Cooper said in a live report from Tokyo on Thursday that he hasn't met anyone who believes the GOJ's official statements. Noting that the USG issued early Thursday morning a statement by Ambassador Roos recommending that American citizens who live within 80 km of the Fukushima nuclear power plant evacuate the area, the paper said that these instructions are very different from GOJ's instructions that residents in the 20-km radius evacuate and those who live between 20-30 km take shelter indoors. The paper claimed that although the USG had been following the GOJ's instructions up until recently, Washington changed its previous position on the grounds that Japan's instructions would not satisfy the safety guidance in the U.S. for when there is a risk of exposure to radiation of 10 millisieverts or above. According to the paper, some reporters have asked during regular press briefings at the White House and the State Department whether the USG still trusts what the GOJ is saying, and White House Press Secretary Carney reportedly said that American citizens in Japan should not depend solely on information from the GOJ, but stay in close contact with the U.S. Embassy in Tokyo. The paper wrote that DOS Acting Deputy Spokesman Toner, however, was more defensive about Japan by reportedly saying that getting reliable information is a struggle during a major disaster like this involving earthquakes, tsunamis, and nuclear accidents.

0900 March 18, 2011 Friday (Japanese media--Foreign media becoming increasingly wary of Japan's crisis management): *Tokyo Shimbun* ran an inside-page report saying that an increasing number of

prominent media reports in such nations as the U.S. and U.K. have expressed distrustful views about the GOJ's crisis management over the nuclear accidents in Fukushima. The paper wrote from New York that U.S. media reports mentioned the lack of political leadership and insufficient transparency in handling information and highlighted the difference between the responses of the U.S. and Japanese governments.

0900 March 18, 2011 Friday (Japanese media--Families of U.S. Embassy/Consulate staff to voluntarily depart Japan): An inside-page report in *Mainichi* said that the Department of State announced on Wednesday that arrangements are being made for about 600 family members of the U.S. Embassy in Tokyo, the U.S. Consulate in Nagoya, and the Foreign Service Institute in Yokohama to leave Japan voluntarily. Several other papers ran similar inside-page reports.

0900 March 18, 2011 Friday (Japanese media--Cooperation between U.S. and Japan being strengthened): *Nikkei* ran an inside-page report saying that cooperation between the U.S. and Japan is being strengthened in the wake of the nuclear accidents in Fukushima. The daily said that the U.S. military has superior expertise and equipment to that of the SDF and that the U.S. military has already provided the SDF with such equipment as anti-radiation gear.

0900 March 18, 2011 Friday (Japanese media--U.S. military steps up airlift efforts): Thursday evening's *Yomiuri* ran an inside-page report from Washington saying that, according to the U.S. Department of Defense, the U.S. military had supplied by Wednesday about 58.5 tons of bottled water and 1.9 tons of food via helicopters and other vehicles to the areas stricken by the powerful earthquake and tsunami last week. According to the paper, a helicopter unit aboard the aircraft carrier *USS Ronald Reagan* conducted a total of 15 airlift missions, supplying goods such as food supplies, medical equipment, and clothes. The daily also wrote that the U.S. military transported four high-pressure water pumps from Sasebo Naval Base to Yokota Air Base via Yokosuka Navy Base on Wednesday to help Japan to deal with the accidents at the Fukushima Daiichi nuclear power plant. The paper also said that three U.S. military vessels, including the *USS Essex*, which is carrying as many as 2,200 service members from the III Marine Expeditionary Force in Okinawa, will arrive at Sakata Port in Yamagata Prefecture on Thursday.

0900 March 18, 2011 Friday (Japanese media--GOJ initially turned down U.S. offer of technical support for nuclear accidents?): *Yomiuri* ran an inside-page report saying that a senior DPJ lawmaker told the paper on Thursday that the GOJ turned down an offer of technical support from the USG immediately after the damage at the Fukushima Daiichi Nuclear power plant was discovered after the major earthquake hit eastern Japan on March 11. The paper speculated that the GOJ and TEPCO turned down the U.S. offer because it was "too soon," saying that the U.S. side assumed that the reactor was out of commission while the Japanese side believed that restoring the coolant function was still possible at that time.

0900 March 18, 2011 Friday (Japanese media--U.K., Australia, South Korea and others issue 80-km evacuation recommendations): *Asahi* wrote that the governments of the UK, Australia, New Zealand, South Korea, and Mexico have issued recommendations similar to those of the U.S. urging their citizens who live within 80 km of the Fukushima nuclear power plant to evacuate the area.

0900 March 18, 2011 Friday (Japanese media--Eight embassies in Tokyo temporarily closed): *Asahi* ran an inside-page report saying that an increasing number of foreign embassies in Tokyo have implemented temporary closures. Speculating that concern over the nuclear accidents in Fukushima is

behind these moves, the paper wrote that, according to MOFA, eight nations – Iraq, Bahrain, Angola, Panama, Croatia, Kosovo, Liberia, and Lesotho – have announced their embassies' temporary closures.

8:15 March 18, 2011, Friday (U.S. begins radiation screening of passengers, goods): NHK reported at 8:05 that the U.S. government has said that it has begun to implement "radiation screening" at domestic airports for passengers and goods arriving from Japan.

0800 March 18, 2011 Friday (Gov't seeks to address gasoline shortage in quake-hit areas): Kyodo Tokyo reports that the government has called on oil companies in western Japan to send 20,000 kiloliters of gasoline and light oil per day to northeastern Japan, and increase the number of big tankers involved in supplying the fuel in the region to 700 from the current 400. Refineries in western Japan are asked to raise the operation rate from about 80 percent to 95 percent or more Economy, Trade and Industry Minister Banri Kaieda said. By bringing gasoline from western Japan, in addition to that supplied from two refineries in Hokkaido, the northeastern Tohoku region is expected to ensure a supply that meets daily demand of 38,000 kiloliters. "We would have the (western Japan) refineries immediately increase their output...and we would like to hurry so that the fuel will reach this (quake-hit region) in two or three days," Kaieda said. The minister also said that functions at a quake-hit oil tank facility in Shiogama, Miyagi Prefecture, should be swiftly restored. He also said that some gas stations in the quake-hit area would be designated to put priority on supplying fuel to emergency vehicles such as those of the police and fire-fighting vehicles.

07:59 March 18, 2011 Friday (Aomori nuke facilities discontinued): Tokyo Electric Power Company (TEPCO) will discontinue the construction of a new nuclear power plant in Higashidori, Aomori Prefecture, in the wake of severe accidents inflicted on its Fukushima No. 1 nuclear plant in Fukushima Prefecture by last week's catastrophic earthquake and tsunami, a company official said Thursday. Two other companies, partly owned by TEPCO, also revealed that they will shelve their projects to build nuclear facilities in Aomori for the time being.

0700 March 18, 2011 Friday (Debris clearance progressing in quake-hit areas): Kyodo Tokyo reports that the search for victims of Japan's massive earthquake has gradually expanded across a wider area, with access improved by the removal of debris left by tsunami. Fuel shortages have hampered the delivery of relief supplies to shelters where survivors are staying, while also limiting the use of heavy machinery and heating appliances, they said. In the severely hit coastal city of Rikuzentakata in Iwate, the progress made in rubble removal has enabled the Self-Defense Forces to build roads so rescue workers can search for victims across greater areas. Mayor Futoshi Toba said, "There were some areas where we could not enter, but now we can go anywhere (in the city) by car." He added, however, "We need fuel for heating, operating heavy machines and delivering relief goods to shelters, but we face difficulties." Sendai Airport, which was submerged by a tsunami following the quake, was partially reopened for use by police and SDF airplanes to transport relief supplies. No decision has been taken on when commercial flights will resume. In another development, express bus services between Sendai and Morioka as well as Morioka and Aomori were resumed Thursday, connecting all of the six prefectural capitals, including Akita, Yamagata and Fukushima, in the Tohoku region.

0700 March 18, 2011 Friday (Gov't orders local authorities to test for radioactivity in foods): Kyodo in Tokyo reports that the government has instructed local governments to conduct tests for radioactivity levels in domestically produced foods using a provisional standard set up by the government for the first

time ever, as a result of the evolving nuclear crisis at a Fukushima power plant crippled by last Friday's magnitude 9.0 earthquake, ministry officials said Thursday. "Although all the local authorities are required to conduct the tests, they will mainly be enforced on the fresh foods produced in municipalities related to the (nuclear power plant) accident," said Kohei Otsuka, vice minister for health, labor and welfare. At present, no food has shown levels exceeding the standard, the health ministry said. The standard, which the ministry set up based on the reference index by the Nuclear Safety Commission, is relatively higher than international standards, Otsuka said.

0700 March 18, 2011 (Obama: Nuke crisis poses 'substantial risk,' more support to Japan): Kyodo reports from Washington that U.S. President Barack Obama said Thursday the damage to the Fukushima Daiichi nuclear plant posed "a substantial risk" to people nearby and pledged more support to Japan over the nuclear emergency and rescue efforts following a devastating earthquake and tsunami that hit northeastern Japan last week. Speaking at the White House, Obama also said that a U.S. decision to ask American citizens living within an 80-kilometer radius of the quake-hit nuclear plant in Fukushima Prefecture to evacuate as a precautionary measure was "based upon a careful scientific evaluation." He also pledged to extend more support for Japan, saying, "The Japanese people are not alone in this time of great trial and sorrow." The United States is "aggressively" supporting Japan, with which it has "an alliance forged more than a half century ago and strengthened by shared interests and democratic values," Obama said. While urging U.S. citizens in Japan to continue to monitor the situation, Obama assured the safety of the United States, saying, "We do not expect harmful levels of radiation to reach the United States, whether it's the West Coast, Hawaii, Alaska, or U.S. territories in the Pacific. That is the judgment of our nuclear regulatory commission and many other experts," he said, adding Washington has no plan to expand the scope of evacuation order beyond the 80-km radius area of the troubled reactors. "In going forward, we will continue to keep the American people fully updated," Obama said. Noting that the earthquake and tsunami rendered an unimaginable toll of death and destruction in Japan, Obama also said, "We've seen this powerful natural disaster cause even more catastrophe through its impact on nuclear reactors that bring peaceful energy to the people of Japan." Prior to the remarks, Obama visited the Japanese Embassy in Washington and signed a condolence book. At the embassy, Obama told reporters, "We feel a great urgency to provide assistance to those who have been displaced from their homes who are suffering enormously at this moment." The president also said, "Our deepest sympathies, our thoughts and prayers are with the families of those who have been lost." Obama also showed confidence in Japan's recovery from the disaster. "It has people who are strong, who are resilient, who are dedicated to their country, who are brilliant," Obama said. "I am confident that Japan will emerge even stronger than before." Obama also briefly met with Japanese Ambassador to the United States Ichiro Fujisaki at the embassy.

0658 March 18, 2011 Friday (DOE measurements over Fukushima power plant): Measurements taken by the Department of Energy's Nuclear Incident Team from March 17 flights over the Fukushima nuclear power plant show there is no significant radiation exposure beyond 5 miles north and south of the plant. DOE assesses Japan's 20-km evacuation and 30-km shelter areas are adequate. U.S. guidance—recommending a 50-mile (80-km) evacuation radius—is sufficient and conservative. Data from a second set of flights is currently being analyzed.

0610

0535 March 18, 2011 Friday (Russian spy plane approaches Japanese territories to survey U.S.-Japan relief operations): This morning's Sankei reported that ASDF jet fighters made a scramble flight Thursday in response to a Russian ELINT reconnaissance aircraft which flew near Japanese territorial airspace over the Sea of Japan. Noting that several U.S. warships were assembled off the coast of Yamagata Prefecture for "Operation Tomodachi," the daily said the Russians were apparently trying to monitor the humanitarian mission being carried out in collaboration with the SDF.

0528 March 18, 2011 Friday (Blackout in Tokyo area Avoided after Businesses, Residents Cut Power Use): Minister of Economy, Trade and Industry Banri Kaieda and other Cabinet officials warned that a massive unscheduled blackout could occur despite the scheduled power rationing measure in TEPCO's service area as demand for electricity already approached the supply capacity for Thursday in the morning hours, according to Kyodo News. To prevent this, the GOJ called on residents and business to curtail their electricity use. In response, rail operators reduced the number of trains running and many businesses and stores closed early. TEPCO said following the Cabinet ministers' call for more energy-saving efforts, demand dropped to around 29.0 million kilowatts -- below the supply of 33.5 million kilowatts -- as of 5 p.m.

0523 March 18, 2011 Friday (Rescue teams from 4 nations cease operation): Mainichi reported this morning that search and rescue teams from four countries--Singapore, Germany, Switzerland, and France--have completed their operations in Japan.

0515 March 18, 2011 Friday (GOJ initially turned down US offer for help): This morning's Yomiuri reported on the revelation by a senior DPJ official that the GOJ initially rebuffed a USG offer for technical help in cooling the heated nuclear reactors at the Fukushima plant based on the assessment that they would be able to control the situation by themselves.

0445 March 18, 2011 Friday (Temperature rising at reactor 5, 6): NHK reported at 4:14 that temperatures at the spent fuel pools at the 5th and 6th reactors on the Fukushima No. 1 plant have been rising gradually, with TEPCO paying close attention to avoid a decline in the water level by continuing to pour water into them from emergency tanks. Temperatures at the pools in question have reportedly risen by 9.5 degree to about 64 centigrade in the last two days.

0417 March 18, 2011 Friday (Kyodo piece on President Obama signing condolence book): Kyodo reported on Obama's signing of a condolence book and his meeting with the Japanese ambassador at the Japanese Embassy in Washington on Thursday, quoting him at length:
"We feel a great urgency to provide assistance to those who have been displaced from their homes who are suffering enormously at this moment."
"As I said on the first day of this tragedy, I am confident that Japan will rebuild."
[Obama visited the Japanese embassy and signed the condolence book] "to communicate how heartbroken the American people are over the tragedy."
"We are doing everything we can to stand by our great friend and ally in Japan in this hour of need."
"Our deepest sympathies, our thoughts and prayers are with the families of those who have been lost."

0402 March 18, 2011 Friday (EFM's En Route to Hotel in Taipei): AIT Consular Section reported at 03:56 that EFMs are headed to the Hyatt Hotel to rest before onward travel. AmEx operation at the airport is shutting down temporarily and will re-open at 8 am March 18 at the hotel. AIT hopes to have orders by then.

See attachment for readout of March 16 NRC-TEPCO-NISA meeting (may be OBE)

03:57 March 18, 2011 Friday (NAF Atsugi opened to press to showcase "Operation Tomodachi"): TBS TV reported that the U.S. military allowed Japanese media access to NAF Atsugi to showcase its disaster relief "Operation Tomodachi," with footage showing water bottles and paper diapers being assembled for shipment to the devastated areas. The Navy installation is serving as a round-the-clock logistics hub, with assembled relief goods being airlifted to Yamagata Airport and the USS Ronald Reagan anchored off the coast of the Tohoku region. Some 4,000 personnel on the base are all engaged in the humanitarian operation. A clip showed an Navy officer saying on camera: "Everybody is impacted....We will give you everything we can to help the survivors."

03:25 March 18, 2011 Friday (French embassy distributing iodine tablets): Sankei reprinted a Kyodo piece on the announcement by a French Foreign Ministry spokesperson on Thursday that the French Embassy in Tokyo has begun distribution of potassium iodine tablets for use by French citizens as a "precautionary measure" in view of the apparent deterioration of the nuclear crisis in Fukushima. The article said almost 4,000 French nationals have left the Kanto area, with some 3,000 citizens still remaining. The daily also reported that the French government has sent to Japan some 100 tons of boric acid meant to curb nuclear fission, as well as 10,000 sets of protective gear against radiation and other relevant goods.

03:25 March 18, 2011 Friday (Brazil embassy not evacuating): Sankei reported that Foreign Minister Matsumoto on Thursday spoke by phone with his Brazilian counterpart Patriota, who was quoted as saying: "I am paying tribute to the patience and strength shown by the Japanese people. Unless recommended by the Japanese, Brazil will not evacuate its embassy [in Tokyo]."

03:01 March 18, 2011 Friday (G7 to agree on coordinated action to halt yen's rise): Nikkei's website reported at 2:00 that finance ministers and central bank governors of the G7 countries will hold an emergency telephone meeting on Friday morning (Japan time), predicting that the officials will issue a joint statement allowing Tokyo to intervene in the forex market to stop the yen's appreciation in the judgment that the Japanese currency's excessive rise against the U.S. dollar would undermine Japan's efforts to overcome the current crisis associated with the Great Tohoku earthquake.

02:25 March 18, 2011 Friday (Radiation levels drop slightly after water spraying): NHK-TV reported at 1:36 on the disclosure by TEPCO officials that radiation levels at the Fukushima nuclear station declined slightly after several rounds of water spraying by SDF firefighting vehicles Thursday evening. The radiation level at the plant's west exit stood at 289 micro sieverts/hour as of 23:00, three hours after the water spraying, in comparison to 309 micro sieverts that was recorded prior to the exercise.

02:11 March 18, 2011 Friday (U.S. distrustful of Japan's response to nuclear crisis): Asahi reported on mounting distrust within the USG of Japan's handling of the continued crisis at the Fukushima nuclear plant, highlighting the U.S.'s most updated evacuation advisory calling for American citizens to stay out of the 50 mile-radius of the trouble-prone plant. The daily said this recommendation represented a sharp turnaround of the U.S.'s previous stance of being "in sync" with the GOJ regarding the assessment of the nuclear crisis. The article highlighted congressional testimony given on Tuesday by Energy Secretary Chu, who said that the U.S. hears "conflicting reports" from Japan.

01:37 March 18, 2011 Friday (EU to inspect Japanese food imports): NHK-TV reported on the revelation by the European Commission that it has recommended EU member states perform radiation screening of agricultural and livestock imports from Japan. Saying that the radiation screening will be enforced as a "precautionary measure," a spokesperson for the commission said this may be the first time that the EU will carry out radiation checks on imported foods.

01:15 March 18, 2011 Friday (France leader expresses hope to visit Japan): Mainichi's webpage reported at 22:09 that French President Sarkozy said on Thursday that he is ready to visit Japan later this month in order to express "solidarity" with Japan, who is struggling to overcome the earthquake disaster. The French leader reportedly said: "If permitted, I would like to visit Japan in a manner that would not disrupt the GOJ's efforts to deal with the disaster." Sarkozy is reportedly thinking about visiting Japan in his capacity as the chair of the G8 and G20.

01:05 March 17, 2011 Thursday: (SBU) J4/USAID Request for Assistance (RFA), Japan requested (30,000/10,000 units plastic sheets; 60,000L light oil type #3; 40,000L kerosene; 20,000 blankets; 12,000L water and 80,000 units/100,000 pieces of emergency dry food). Supplies are not available in military channels. JJS LNO at Ichigaya said that the issue is shortage of gas to deliver supplies, not blankets. USFJ J4 working on response.

00:55 March 17, 2011 Thursday: (SBU) There will be a meeting 18 Mar at MOD (Ichigaya) with Col Payton (USFJ) for the NRC, DTRA, and Self Defense Force to discuss the overall plan/course of action for Fukushima. PolMil was notified by Mr. Nagano MOFA Security Division. The MOD poc is Maj Sato, Def Policy Bureau. The time of the meeting is to be determined.

00:30 March 18, 2011 Friday (TEPCO says water spraying by SDF vehicles has "certain effects"): NHK TV aired a live press conference after midnight by TEPCO officials, who said that the water spraying operation at the 3rd reactor of the Fukushima plant by SDF fire extinguishers had "certain effects" in cooling the spent fuel pool there, given that vapor at the site apparently increased immediately after the spraying. The officials speculated that the vapor increased because heat was taken away from the pool to some extent as a result of six rounds of spraying. They added that the water spraying exercise will be resumed hopefully this morning.

00:02 March 18, 2011 Friday (USG authorizes voluntary departure of dependents of diplomats): TBS-TV website reported this evening on the USG announcement that it will allow the voluntary departure from Japan of family members of its diplomats currently stationed in Tokyo, Nagoya, and Yokohama.

23:34 March 17, 2011 Thursday (Embassy closings in Tokyo): Asahi reported on the announcement by MOFA that a total of eight countries – Iraq, Angola, Kosovo, Panama, Croatia, Liberia, Lesotho, and Bahrain – have formally informed MOFA that their Tokyo operations have been closed temporarily. According to the ministry, a "substantial number" of other foreign embassies have also effectively ceased operations.

22:00 March 17, 2011 Thursday (Updated NPA casualty figures):

Prefecture	Deaths	Missing
Hokkaido	1	
Aomori	3	1

Iwate	1,905	3,853
Miyagi	3,158	2,157
Yamagata	1	
Fukushima	574	3,507
Tokyo	7	
Ibaraki	19	1
Tochigi	4	
Gunma	1	
Chiba	16	3
Kanagawa	3	
Total	5,692	9,522

21:42 March 17, 2011 Thursday (WHO debunks rumors in Asia-Pacific about radiation clouds): FT reported that as far away as Hanoi, panic has gripped those in the Asia-Pacific region about radioactive fallout from Fukushima. The World Health Organization representative in China released this statement aimed at quelling public concern: "Rumors have been circulating by text messaging and other means of a threatening radiation cloud spreading across Asia and beyond from the damaged nuclear facilities in Japan. WHO radiological experts have been working closely with Japanese authorities and the International Atomic Energy Agency (IAEA) to monitor and assess the evolving situation. Experts share Japan's concerns about the situation around the affected facility. However based on the information available to date, WHO believes that there is currently no significant risk to human health for anyone living outside the 30km exclusion zone."

21:35 March 17, 2011 Thursday (Some relief workers reluctant to approach Fukushima): An LA Times reporter in Yamagata reported that residents in Fukushima are feeling isolated as relief workers are fearful of radiation contamination. "Aid agencies are reluctant to get too close to the plant," the article noted. "Shelters set up in the greater Fukushima area for 'radiation refugees' have little food, in part because nobody wants to deliver to an area that might be contaminated." Though Connecticut-based NGO Save the Children has staff providing relief in Sendai and Tokyo, a spokesman noted that it was still deciding whether to dispatch workers to Fukushima.

21:15 March 17, 2011 Thursday (Japanese automakers suspend operations): NHK reported at 20:15 that Toyota will suspend all production until March 22; Honda will suspend all production until March 20; and Nissan will stop production at its four plants in Kanagawa prefecture.

20:35 March 17, 2011 Thursday (Trucks finished spraying at reactor): Five water cannon trucks of the Tokyo Metropolitan Police and Self-Defense Force finished spraying water into the Fukushima Daiichi Reactor No. 3 at 20:07, an official from the Nuclear and Industrial Safety Agency (NISA) said at a press conference broadcast on NHK. The results are still unknown.

20:30 March 17, 2011 Thursday (Tokyo blackouts avoided): Despite earlier warnings that unplanned power outages may cripple Tokyo's transportation system, TEPCO announced it was able to avoid implementing rolling blackouts, according to NHK.

20:29 March 17, 2011 Thursday (Nikkei falls 1.4%): The Nikkei 225 index, the most prominent measure of stocks traded in Tokyo, dropped 131 points, or 1.4%. It was down as much as 454 points, or 5%, before rebounding. The index recovered nearly 6% on Wednesday after plunging a combined 16%

during the first two trading days following last week's massive earthquake and tsunami. Overall, in the past five sessions, the index is down more than 14%. (CNN Money)

19:54 March 17, 2011 Thursday (Truck spraying water into Reactor No. 3): NHK reported at 19:54 that Tokyo Metropolitan Police and SDF teams have just begun spraying water into the Fukushima Daiichi Reactor No. 3.

18:45 March 17, 2011 Thursday (Cabinet shuffle): NHK reported at 18:45 that Chief Cabinet Secretary Edano said at a press conference that Yoshito Sengoku will be appointed as deputy chief cabinet secretary; Deputy Chief Cabinet Secretary Fujii will become an assistant to Prime Minister Kan.

18:36 March 17, 2011, Thursday (Sendai Airport opened for emergency/relief flights): NHK reported at 18:36 that Sendai Airport is now open for Self Defense Force and U.S. military flights.

18:30

18:00 March 17, 2011 Thursday (Yomiuri reports U.S. military steps up airlift efforts): Thursday evening's Yomiuri ran an inside-page report from Washington saying that, according to the U.S. Department of Defense, as of Wednesday the U.S. military has supplied 58.5 tons of bottled water and 1.9 tons of food via helicopters and other vehicles to the disaster-stricken areas. According to the newspaper, a helicopter unit from the aircraft carrier USS Ronald Reagan conducted 15 airlifts. Delivered goods included survival food items, milk, fruits, medical equipment and clothes. The daily also wrote that the U.S. military transported four high-pressure water pumps from Sasebo Naval Base. The paper also said that three U.S. military vessels, including the USS Essex, which carries as many as 2,200 service members from the III Marine Expeditionary Force in Okinawa, will arrive at Sakata Port in Yamagata Prefecture on Thursday. The paper printed a photo of U.S. servicemen handing boxed of bottled water to people at a shelter in Rikuzen-takada in Iwate Prefecture.

17:56 March 17, 2011 Thursday (Elections postponed): NHK reported at 17:45 that the Lower House approved a bill to postpone the unified local elections slated for April, and sent the bill to the Upper House.

17:55 March 17, 2011 Thursday (Update from Fukuoka Prefecture): The Fukuoka Prefectural Government announced that it would make 175 public apartments in Fukuoka, Kitakyushu, Kurume and Iizuka available to the earthquake victims free of charge. An additional 393 public apartments that belong to cities, towns and villages within Fukuoka Prefecture are also available. Also, the Fukuoka Prefectural Police decided to dispatch rescue teams consisting of 370 policemen and 76 vehicles.

17:45 March 17, 2011 Thursday (Fire engines to pump water): Chief of Joint Staff Oriki said that five fire engines are expected to spray 30 tons of water onto Fukushima Daiichi Reactor No. 3 some time after 18:00, according to NHK.

17:40 March 17, 2011 Thursday (Blackouts in Kanto): TEPCO implemented rolling blackouts Thursday for the fourth consecutive day in part of the Kanto region including Tokyo to cover substantial power shortages, affecting 10 million households. NHK reported at 16:26 that the Minister of Land, Infrastructure, and Transport requested that rail companies reduce the number of trains due to the possibility of unexpected power outages. Electricity Conservation Promotion Minister Renho has called for efforts to save power, warning that power demand may surpass supply Thursday evening if the

demand remains at current increased levels due to the cold weather. Power-saving measures are expected to continue through the end of April, stirring concerns that the economy will suffer as businesses are forced to remain closed. Meanwhile, the Tohoku Electric Power Company announced it will forgo power rationing on Thursday in the disaster-affected region.

The Embassy has received notice from the Ministry of Transportation that large-scale blackouts are likely this evening. As a result, the Ministry is significantly cutting back on the number of active trains. All of the office lights in the Ministry of Foreign Affairs have been shut, and similar may have been issued at other ministries.

17:37 March 17, 2011 Thursday (Updated casualty numbers): The National Police Agency released updated casualty numbers, with the total dead now at 5,321, and 9,329 still missing. The prefectures with the most casualties are Miyagi (2,896 dead; 2,243 missing) and Iwate (1,824 dead; 3,853 missing). The total number of people reported injured is 2,383.

17:03 March 17, 2011 Thursday (10,000 tested for radiation exposure in Fukushima): Kyodo reported that roughly 10,000 people headed to evacuation centers and health offices in Fukushima Prefecture on Wednesday to take screening tests for exposure to radiation in the wake of troubles at the Fukushima Daiichi nuclear plant, prefectural officials said Thursday. In the screening tests at 26 locations, radioactivity was detected on six people—but only on their faces and hands, the authorities said.

16:30

16:30 March 17, 2011 Thursday (Helicopter operations have ended for the day; fire trucks taking over): After DM Kitazawa told reporters earlier this afternoon that “We will not [pour water] from the helicopters any more today,” NHK reported at 16:00 that the Tokyo Metropolitan Police Department’s mobile unit will soon begin spraying water onto the spent fuel pool Daiichi Reactor No. 3. Yomiuri reported that following this, Self-Defense Force fire trucks will also be spraying water into the reactor.

16:04 March 17, 2011 Thursday (Radiation level not lowered by helicopter water drops): Kyodo reported that radiation levels remained unchanged at the troubled Fukushima Daiichi nuclear plant Thursday morning even after Self-Defense Force (SDF) helicopters dropped tons of seawater onto the reactors this morning. The radiation level around the plant’s quake-proof building in which workers are standing by has risen to about 3 millisieverts (mSv) per hour, it said. Defense Minister Kitazawa said earlier in the day he had given the go-ahead for the helicopters to drop water as the radiation level was 4.13 mSv per hour at an altitude of 1,000 feet, and 87.7 mSv at 300 feet. The helicopters descended to a height of less than 300 feet to drop the water, said SDF chief Ryoichi Oriki.

15:55 March 17, 2011 Thursday (Japan responds to foreign missions advising evacuation): Kyodo reported Chief Cabinet Secretary Yukio Edano expressed “understanding” over the U.S. advisory expanding the suggested evacuation zone to 50 mi (80 km), noting that the U.S. government made a “more conservative decision from the standpoint of protecting its citizens.” Edano continued that if an incident occurred overseas in which people were asked to evacuate, the Japanese government would likely do the same thing to protect its nationals, especially as it would not be directly in charge of the situation there. Nonetheless, Japan has, at this point, no plans to expand the evacuation area, Edano said, noting that its data, reported by the science ministry, shows that the radiation does not immediately pose a risk to human health outside a 30 km radius.

15:48 March 17, 2011 Thursday (GOJ official residences made available): Kyodo reported that the Finance Ministry notified local governments in regions devastated by the quake and ensuing tsunamis that about 5,500 vacant government-owned residences [Note: We assume but have not confirmed these residences are in the disaster-affected regions. End Note] are being made available for evacuees.

15:45 March 17, 2011 Thursday (Japan to release salt reserves to cover supply interruptions): Kyodo reported that according to the Finance Ministry, the Salt Industry Association of Japan will release 900 tons of edible salt from its reserves to cover supply shortages after one of Japan's six salt plants suspended production due to last Friday's catastrophic earthquake. This will be the first time the GOJ has released salt from the reserves. The center has a total of 100,000 tons of salt in reserve, including 60,000 tons of raw salt. The suspension of production at the plant in Iwaki, Fukushima Prefecture, has caused shortages in supply to food makers, including those manufacturing instant noodles.

14:15 March 17, 2011 Thursday (U.S. aircraft arrives at ASDF Matsushima base) Nikkei posted a report on its website at 13:05 that aircraft from the U.S. military arrived at ASDF Matsushima Air Base earlier today in a mission to airlift relief supplies to the devastated areas, including Kesennuma in Miyagi Prefecture and Rikuzen-Takada in Iwate Prefecture. Five GSDF trucks loaded with 20,000 bottles of water and pharmaceutical products left the airport to the disaster-stricken areas with 31 Marines. The U.S. Air Force's special transport plane flying from Yokota AB arrived at the air base around noon, and there was only very low visibility in the area due to a snowstorm in the area. A U.S. military officer who arrived with the cargo said: "We would like to send the relief supply to the disaster-hit areas as soon as possible." The commander of the ASDF base said in reply: "You arrived at the base with great courage despite the risk of bad weather."

14:00 March 17, 2011 Thursday (Large number of foreign residents seeks re-entry permits): A large number of foreign residents in Japan rushed to the Justice Ministry's Tokyo Immigration Bureau from early Thursday to seek re-entry permits before leaving the earthquake-hit country temporarily. More than 2,500 foreign residents formed a long queue in and outside the immigration office in Tokyo as of noon, apparently due to fears over a possible nuclear disaster involving the Fukushima No. 1 nuclear plant. The bureau said it received requests for re-entry permits from some 10,000 foreign residents Wednesday and that the figure on Thursday could exceed it. It would issue the permission to those who came to the office by 16:00. A 45-year-old Jordanian national was quoted saying the Japanese government should issue the re-entry permit at airports in such an emergency situation.

13:00 March 17, 2011, Thursday (Notifying embassies of authorization of voluntary departure): JECC began alerting other foreign embassies that the State Department has authorized the voluntary departure of dependents of officials at U.S. Embassy Tokyo and the U.S. Consulate in Nagoya. The following embassies have been notified: Egypt, EU, Finland, France, Germany, Greece, Hungary, Indonesia, Israel, Italy, Republic of Korea, Afghanistan Belgium, Brazil, Canada, Singapore, UK and Mexico.

1300 March 17, 2011 (Kan gets strong support from Obama over quake reconstruction): Kyodo reports that Prime Minister Naoto Kan received a strong pledge of support from U.S. President Barack Obama on Thursday while discussing over the phone the latest emergency situation following last week's massive earthquake and tsunami in northeastern Japan, government officials said. Obama promised to provide whatever assistance the United States can to help reconstruct Japan "not just for the time being...but in the medium and long terms," Chief Cabinet Secretary Yukio Edano said at a news

conference. Obama also said that the United States is ready to send additional nuclear experts to Japan to help deal with the danger at the Fukushima No. 1 nuclear power plant, Edano said. Kan told Obama that Japan is making its utmost efforts to contain the nuclear crisis and pledged to work closely with U.S. authorities involved in the ongoing work to avoid a serious disaster, according to Edano. The talks, initiated by Obama, lasted for about 30 minutes in the morning, the officials said. The two leaders held talks over the phone for the second time since Friday's quake, the most powerful recorded in Japan's history, which is projected to have claimed the lives of more than 10,000 people.

12:30 March 17, 2011, Thursday (press briefings by DM Kitazawa and CCS Edano): NHK aired live separate press briefings by Defense Minister Kitazawa and Chief Cabinet Secretary Edano. DM Kitazawa, who started his briefing at 11:27, explained details of JSDF helicopters' four rounds of water spraying operation this morning on the 3rd reactor at the Fukushima plant. Kitazawa said that, before the operation, the SDF determined the level of radiation in the air at 1,000 feet high was 4.13 millisieverts/hour and 87.7 millisieverts/hour at 300 feet. Kitazawa also said that 11 SDF fire trucks will also take part in the operation this afternoon and that the SDF will transport a pumping device that was provided by the U.S. military to TEPCO.

12:30 March 17, 2011, Thursday (press briefing CCS Edano): CCS Edano said in a separate press briefing that the GOJ set up on Wednesday an operation center at the Defense Ministry to help SDF's distribution of relief goods provided by local governments and private sectors. Prefectural governments will be the point of contact for this scheme, he said. In response to a question from a reporter concerning the apparent mixed information about the depth of the water at the storage pool for spent fuel rods at the 4th reactor, Edano admitted that there have been delays in communications between U.S. and Japanese experts concerning the issue. Edano stressed that the GOJ is trying to pass relevant information to the U.S. side in as timely a manner as possible

12:00 March 17, 2011 (Consulate General Sapporo update): All personnel and families are accounted for. Facilities are undamaged and fully operational. One Consulate General official and three locally employed staff have deployed to areas affected by the disaster in the Tohoku region, including Iwate and Miyagi prefectures and Misawa Air Base in Aomori prefecture. With consular personnel away from Sapporo, Post has suspended routine consular operations through March 18 and is focusing efforts on W/W cases and disseminating warning message information. The volume of calls has increased this morning. The USS Tortuga completed loading of JGSDF Northern Army equipment and personnel in Tomakomai, Hokkaido, at 1725 last night and was expected to arrive at the JMSDF base in Ominato, Aomori at 0930 this morning to begin offloading via landing craft. CNFJ has advised there may be more delivery of heavy equipment to Sea of Japan ports in our consular district in coming days.

10:30 March 17, 2011, Thursday (GSDF Helicopters Drop Water on Reactors): At its 10:00 news program, NHK reported on GSDF helicopters' operation to spray water onto the 3rd and 4th reactors starting at 9:48. An NHK commentator said that the SDF decided to go ahead with the operation after determining that the radiation level in the area is acceptable for conducting the mission. He said that this is a very difficult operation because helicopters cannot stay in the area just above the reactor to pour water effectively due to concern over radioactivity, and that the water appears have sprayed out over the reactors because the choppers kept distance from the reactors for safety reasons.

10:30 March 17, 2011, Thursday (More rolling blackouts implemented): NHK reported at 10:30 that TEPCO, which plans to implement rolling blackouts in all five designated areas in the Kanto region, began to implement the major blackouts at around 9:20 in Chiba, Tochigi, and Saitama prefectures.

10:30 March 17, 2011, Thursday (Mizuho Bank ATMs malfunctioning): NHK reported that operation of ATMs of the Mizuho Bank nationwide have been stopped since this morning.

10:05 March 17, 2011, Thursday (NISA press conference, NHK live coverage of water dumping onto reactors): NHK aired a live press briefing by the Nuclear and Industrial Safety Agency (NISA) that started at 9:35. An NISA spokesperson explained the details of the ongoing efforts to cool reactors at the Fukushima No.1 nuclear power plant, including preparations by the SDF and the National Police Agency to pour water onto the troubled facilities. The spokesperson said that restoring electric power at the facilities is another key task. Following its coverage of the press conference, NHK aired live SDF helicopters' four consecutive operations to pour water onto the reactors starting at 9:48.

22:43 March 16, 2011, Thursday (CCS Edano on USG evacuation recommendation): Asked about the difference between the USG recommendation of an 80-km evacuation zone and the 20-km zone recommended by the Japanese government, Chief Cabinet Secretary Yukio Edano replied (unofficial translation), "It is natural for foreign countries to watch out for the well-being of their citizens. Accordingly, they have adopted a more conservative approach to the evacuation zone."

09:00 March 17, 2011 Thursday (US Embassy morning press summary): National dailies continued to give extensive front-page coverage this morning to the situation at the TEPCO Fukushima No.1 nuclear power plant. According to several papers, the National Police Agency has decided to send a high-pressure water cannon truck to the Fukushima plant to help extinguish the fire at the 4th reactor there. The papers also wrote that three GSDF helicopters, which were tasked with pouring water onto the 4th reactor from the air, were withdrawn due to high levels of radiation detected in the area. *Mainichi* reported on remarks on Wednesday by Defense Minister Kitazawa, in which he reportedly said that the U.S. military has offered TEPCO a special vehicle for extinguishing fires at the Fukushima plant. *Nikkei* led with a report saying that the yen's value against the U.S. dollar temporarily surged to 79.97 yen in New York, the highest in almost 16 years. Several papers front-paged Emperor Akihito's video message concerning the recent disaster in Japan that was aired on Wednesday.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--U.S. military bans personnel from entering 90-km radius of Fukushima plant): *Mainichi* ran an inside-page *Kyodo News* dispatch from Washington saying that a source connected to the U.S. Department of Defense said on Wednesday that the U.S. military has restricted U.S. military personnel from going within a 90-km radius of the Fukushima plant following the accidents there. *Nikkei* ran a similar inside-page report.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--U.S. military considering offering water-spraying device): *Nikkei* ran an inside-page report saying that the U.S. military has begun to consider bringing a "water-spraying bucket" from the U.S. to Japan to support Japan's efforts to cool the damaged reactors in Fukushima. According to the paper, the device would be loaded onto a helicopter to suck up seawater and pour it onto the nuclear facilities from the air. The paper wrote that U.S. Embassy Defense and Naval Attaché Captain Justin Cooper told the press on Wednesday that coordination between the U.S. military and Japanese authorities is being conducted at the joint operation center at Yokota AB.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--airlift efforts to be stepped up): *Asahi* ran an inside-page report saying that a U.S. military C-130 transport aircraft carrying a cargo of bottled water arrived at the ASDF Matsushima Air Base in Miyagi Prefecture on Wednesday, and GSDF trucks loaded with the water are headed to hospitals and temporary shelters in Miyagi and Iwate Prefectures. The paper wrote that the ASDF will begin full-fledged efforts to airlift food and medicine via the air base.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--Asian nations to step up quarantine against Japanese farm products): *Asahi* ran an inside-page report saying that Asian nations such as China and South Korea have begun to inspect food imports from Japan more strictly out of concern over possible radiation contamination in Japanese products. The paper wrote that it may become difficult to sell Japanese food, which has enjoyed a reputation for high quality abroad, in international markets in the future. In a separate article, the paper wrote that the GOJ decided on Wednesday to conduct random tests on Japanese agricultural products to determine potential radioactive contamination following the nuclear accidents in Fukushima. The paper conjectured that the measure is intended to ensure the safety of Japanese farm products and minimize the potential adverse effects on Japanese food exports.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--Disarray between Kantei and TEPCO): *Yomiuri* wrote in an inside-page article that the Kantei and TEPCO have failed to establish smooth coordination over the handling of the situation at the Fukushima nuclear power plant, speculating that the permanent presence of METI Minister Kaieda and other senior GOJ officials at the GOJ-TEPCO joint taskforce center at the TEPCO building is evidence of the GOJ's distrust of TEPCO.

08:50 March 17, 2011 Thursday (Foreign Ministry steps up efforts to release quake-related info, urges calm, calls for reporting based on correct information): Kyodo reports that Japan's Foreign Ministry has stepped up efforts to disseminate information related to last Friday's powerful earthquake to other countries, amid intensifying global concern over the potential leak of a massive amount of radiation from the troubled nuclear power plant in Fukushima Prefecture, ministry officials said Wednesday. The ministry is planning to implement measures such as increasing the number of press conferences in English to counter exaggerated and false rumors that could seriously affect travel and trade between Japan and other countries, they said. It has already posted related information in English, Chinese and Korean on its website. The ministry has held press conferences for foreign media every day since Sunday. Officials of the Foreign Ministry and the Economy, Trade and Industry Ministry's nuclear safety agency have called for calm, explaining radiation levels and other information to foreign news organizations. The Foreign Ministry also plans to hold briefings for foreign embassies in Tokyo nearly every day until the situation calms down, the officials said. The ministry has instructed Japanese embassies and consulates overseas to swiftly respond to inquiries from local media and provide information about the latest developments in Japan, they said. At a press conference on Wednesday, Foreign Press Secretary Satoru Sato urged foreign reporters to act based on correct information, citing the need for the ministry to deal with overseas public opinion.

08:25 March 17, 2011 Thursday (NPA casualty reports as of 00:00 March 17, 2011): The Japanese National Police Agency (NPA) reports that latest casualty figures are 4,314 dead, 8,606 missing, 2,282 injured.

08:20 March 17, 2011 Thursday (Russia to evacuate diplomatic families in Japan from Friday): Kyodo reports from Moscow that the Russian Foreign Ministry announced Wednesday that it has decided to evacuate the families of diplomats working at the Russian Embassy in Tokyo, possibly from Friday, in the wake of radiation leaks from a nuclear power plant in northeastern Japan.

08:00 March 17, 2011 Thursday (116 nations, regions offer help to quake-hit Japan): As of Wednesday evening a total of 116 countries and regions, and 28 international organizations have offered assistance to Japan to deal with the aftermath of last Friday's earthquake and tsunami, the Foreign Ministry said. Rescue teams from 11 countries, including China, South Korea and the United States, have been working in devastated areas, according to the ministry.

18:00 March 16, 2011 Thursday (Update from Consulate General Naha): The situation in Okinawa remains calm, at least off-base, with none of the panic buying or fuel/food shortages we are seeing reported in other areas of Japan. Local leaders are actively considering options for how Okinawa can assist—such as by accepting large numbers of evacuees in Okinawa who have been made homeless for an extended period of time—but for the most part are waiting for clearer direction on the needs from Tokyo. There is more unease within the on-base American community over rumors of possible evacuation planning. There are significant Marine and Air Force assets from Okinawa being employed in the response effort. The media has been seized with the crisis, although it has maintained its ideological anti-base reporting at a steady but lower hum. Despite media efforts to downplay the U.S. role, we are receiving significant expressions of thanks for the U.S. response.

0800 March 17, 2011 (U.S. asks citizens in 80-km radius of Japan nuke plant to evacuate) – Kyodo reports that the U.S. Embassy in Japan has asked American citizens living within an 80-kilometer radius of the quake-hit Fukushima No. 1 nuclear plant in Japan to evacuate as a precautionary measure. "We are recommending, as a precaution, that American citizens who live within 50 miles (80 kilometers) of the Fukushima Nuclear Power Plant evacuate the area or to take shelter indoors if safe evacuation is not practical," the embassy said in the advice issued Thursday local time. Conditions such as weather and wind direction will affect the area of radioactive contamination in a complex way, the embassy said, adding that low-level radiation can reach areas more than 80 km away from the damaged nuclear power plant. The Japanese government currently sets the evacuation zone covering areas within a 20-km radius of the plant and advises those within a 30-km radius to stay indoors.

0700 March 17, 2011 (TEPCO remains unable to cool the pool storing the spent nuclear fuel rods at the 3rd and 4th reactors) NHK said on the 7 o'clock news that TEPCO remains unable to cool the pool storing the spent nuclear fuel rods at the 3rd and 4th reactors and that the National Police Agency's high pressure water vehicles are expected to pour water on the reactors starting this morning to prevent the reactors from leaking radiation. NHK also reported on the failure to cool the fuel at the No. 5 and No. 6 reactors, saying that the temperature at the 5th reactor rose to 63 degrees yesterday, up 5 degrees from the previous day, and to 60 degrees, up 4 degrees, at the 6th reactor.

05:54 March 17, 2011 Thursday (EU to inspect imported foods from Japan): According to Jiji Press, the EU revealed on March 16 that it had advised its member countries to check foods imported from Japan for radioactivity. Items subjected to inspection are imported foods and livestock feed after March 15. In addition to EU countries, Norway and Iceland will conduct inspection, too. According to the European Commission, the EU imported 65 million euro or approximately 7.3 billion Japanese yen worth of foods and livestock feed from Japan in the year of 2010.

03:29 March 17, 2011 Thursday (A Message to American Citizens from Ambassador John V. Roos):

The United States Nuclear Regulatory Commission (NRC), the Department of Energy and other technical experts in the U.S. Government have reviewed the scientific and technical information they have collected from assets in country, as well as what the Government of Japan has disseminated, in response to the deteriorating situation at the Fukushima Nuclear Power Plant. Consistent with the NRC guidelines that apply to such a situation in the United States, we are recommending, as a precaution, that American citizens who live within 50 miles (80 kilometers) of the Fukushima Nuclear Power Plant evacuate the area or to take shelter indoors if safe evacuation is not practical. We want to underscore that there are numerous factors in the aftermath of the earthquake and tsunami, including weather, wind direction and speed, and the nature of the reactor problem that affect the risk of radioactive contamination within this 50 mile (80 km) radius or the possibility of lower-level radioactive materials reaching greater distances. The U.S. Embassy will continue to update American citizens as the situation develops. U.S. citizens in need of emergency assistance should send an e-mail to JapanEmergencyUSC@state.gov with detailed information about their location and contact information, and monitor the U.S. Department of State website at travel.state.gov. The United States is continuing to do everything in its power to help Japan and American citizens who were there at the time of these tragic events. To support our citizens there, the Embassy is working around the clock. We have our consular services available 24 hours a day to determine the whereabouts and well-being of all U.S. citizens in Japan and we have offered our Japanese friends assistance, including disaster response experts, search and rescue teams, technical advisers with nuclear expertise, and logistical support from the United States military.

06:00 March 17, 2011 Thursday (Tokyo Metropolitan Government Radiation Measurements): The Tokyo Metropolitan Institute of Public Health publishes hourly radiation measurements taken at its facility in Hyakunin-cho, Shinjuku-ku, on its website (<http://ftp.jaist.ac.jp/pub/emergency/monitoring.tokyo-eiken.go.jp/monitoring/>). Measurements are given in μGy (microgray)/hr. One μG is roughly equal to one microsievert. Measurements for the early morning of March 17 ranged from 0.0490-0.0530 $\mu\text{Gy/hr}$.

06:00 March 17, 2011 Thursday (US-Japan Business Council Statement): The U.S.-Japan Business Council released a statement in Washington on March 16 expressing condolences to the people of Japan and pledging \$15 million to the relief effort. Responding to the question of assessing the material cost of the disaster, the USJBC said, "It is premature to make any kind of assessment in this early phase of this unprecedented disaster. Obviously there are many complications that will reverberate for months to come, but Japan is a strong and resilient country."

06:00 March 17, 2011 Thursday (Front-page headlines on Thursday morning's Japanese national dailies): The followings are the headlines of major stories carried on Thursday morning by national dailies in Japan: "Spent Fuel Pools Boiling at Reactors 3 and 4, Immediate Cooling Necessary" (Mainichi); "Coolant Water Evaporates at 3rd Reactor" (Sankei); "Police to Mobilize Water Release Vehicle to Prevent Leakage of Radiation at 4th Reactor" (Yomiuri); "Police to Be Mobilized to Cool down Reactors" (Asahi); "Water Spray Car to Be Used to Cool down Reactors, U.S. Military Operates Unmanned Drone"

05:51 March 17, 2011 Thursday (Ambassador Roos expresses dissatisfaction about information provision by Japan): This morning's Sankei newspaper reported on a message addressed to American citizens on Wednesday by Ambassador Roos, in which he reportedly expressed displeasure at the lack of information on the nuclear crisis in Fukushima provided by the Japanese side. The Ambassador

reportedly stated: "We have had only limited access to information." According to the article, the Ambassador also expressed concern about the current situation in Fukushima by saying: "Many American citizens are anxious and have questions in the shadow of the Fukushima emergency. We are in the midst of a complex, constantly changing, and unpredictable situation."

05:31 March 17, 2011 Thursday (Austrian envoy explains relocation of embassy functions to Osaka): This morning's Asahi newspaper reported on remarks made by Austrian Ambassador to Japan Stefan-Bastil, who has moved her embassy's functions to Osaka. She reportedly said: "In addition to electricity blackout and traffic conditions in Tokyo, we factored in access to airports in the event of an emergency [in deciding the relocation]. We've moved to Osaka in consultation with our government back home because the situation in Fukushima remains uncertain." The daily added that ambassadors and other diplomats from many countries have taken part in informal briefing sessions regarding the nuclear troubles organized daily by MOFA.

05:04 March 17, 2011 (IAEA chief Amano to visit Japan possibly Thursday): Yukiya Amano, director general of the International Atomic Energy Agency, said Wednesday he will visit Japan, possibly on Thursday, to check the situation at the quake-hit Fukushima No. 1 nuclear power plant. "I plan to fly to Japan as soon as possible, hopefully tomorrow, to see the situation for myself and learn from our Japanese counterparts how best the IAEA can help," Amano said in a statement released by the IAEA.

At a news conference, Amano said of the nuclear power plant, "My assessment of the situation is that it is very serious," adding that "it is not the time to say things are out of control." He also said he would like to dispatch a team of experts to monitor the environment "as soon as possible." Details about locations where the team should be deployed as well as the duration of its stay in Japan are still being discussed. "It is like running and thinking," he said.

After his trip to Japan, where he intends to stay for one night, he wants to convene a Board of governors meeting in Vienna as soon as possible to report on the situation of the nuclear power plant to member states. On Tuesday, he told reporters that he would like to obtain more detailed information about the accidents at the nuclear power plant and is urging Japan to keep the agency posted. "There is a constant flow of information," he told journalists Wednesday. "But there is certainly room for improvement and I would like to address this issue when I go to Japan." Japan requested Tuesday the IAEA for assistance in environmental monitoring and the effects of radiation on human health. (Kyodo)

04:40 March 17, 2011 (Britain advises nationals in areas north of Tokyo to evacuate): Britain on Wednesday advised its nationals living in Tokyo and areas north of the Japanese capital to evacuate in light of an ongoing nuclear crisis at the quake-hit Fukushima No. 1 nuclear plant in northeastern Japan. It said the British Embassy in Japan plans to arrange free buses from Sendai, Miyagi Prefecture to Tokyo on Thursday for evacuating British nationals. It also advised against all non-essential travel to Tokyo and northeastern Japan. "For those outside the exclusion zone set up by the Japanese authorities there is no real human health issue that people should be concerned about," the Foreign Ministry said in a statement. "However, due to the evolving situation at the Fukushima nuclear facility and potential disruptions to the supply of goods, transport, communications, power and other infrastructure, British nationals currently in Tokyo and to the north of Tokyo should consider leaving the area," it said. (Kyodo)

04:04 March 17, 2011 (U.S. asks citizens in 80-km radius of Japan nuke plant to evacuate): The U.S. Embassy in Japan has asked American citizens living within an 80-kilometer radius of the quake-hit Fukushima No. 1 nuclear plant in Japan to evacuate as a precautionary measure. The advice was issued

Thursday local time while the Japanese government currently sets the evacuation zone covering areas within a 20-km radius of the plant. (Kyodo)

03:31 March 17, 2011 (White House advises AmCits within 50-mile radius to evacuate): TBS-TV website reported that the USG has recommended that American citizens leave areas within the 50 mile-radius of the Fukushima No. 1 nuclear plant. While House spokesman Carney told the press on Wednesday that this advisory was presented to President Obama by the Nuclear Regulatory Commission and was forwarded to the DOS. Pointing out the USG has said until now that it considers Japan's advisories, including staying sheltered for those who live from the 20 to 30 kilometers radius, as appropriate, the report said the USG apparently decided to take a step independent of Japan. Carney reportedly stated that the current situation at the Fukushima plant is "critical."

04:16 March 17, 2011 (DOD spokesman says no entry zone set as precautionary measure): NHK-TV's website reported at 4:16 that DOD deputy spokesman Lapan said on Wednesday that it has been decided that the U.S. military will not carry out normal operations within a 50 mile radius of the Fukushima No. 1 nuclear power station. He said this restriction was adopted as a precautionary step, explaining that American troops, upon authorization from supervisors, may perform necessary duties within the zone. Those personnel would be reportedly instructed to take potassium iodide pills before entering the restricted area.

(Various Times) March 16-17, 2011 (Foreign Embassy Advisories):

France: The French Embassy in Japan uploaded to its website the text of an answer by its Prime Minister François Fillon to a question about the earthquake in Japan raised in the French National Assembly held on March 15. In the answer, PM Fillon noted "There are normally almost 5,000 French citizens in the Tokyo area, of which 2,000 are still in the city. 280 (French) people with priority, mainly children, are scheduled to return to France via aircraft used by the civil security unit and the Embassy, if circumstances warrant it, will distribute 10,000 iodine tablets to French citizens residing in Japan. Also, we are calling on those who don't necessarily need to remain in Tokyo to return to France immediately or move to southern Japan. Moreover, the French government has requested Air France to mobilize its airplanes located in Asia in order to immediately respond to demands from French residing in Japan." Separately, Jiji Press reported two Air France aircrafts were headed to Japan, in response to the request from the French government.

Turkey: Jiji Press also reported that the Turkish Ministry of Foreign Affairs issued a statement on March 16 to advise its nationals to defer non-essential and non-urgent travel to Japan, and that the Mexican government is considering hiring charter flights and planning to cover the expense of return flights for its nationals in Japan.

Philippines: Jiji Press reported Philippine Acting Foreign Affairs Secretary Albert F. del Rosario making a statement on March 16 that there is no plan to evacuate its over 300,000 nationals from Japan. The Philippine Ministry of Foreign Affairs issued a statement (<http://dfa.gov.ph/main/index.php/newsroom/dfa-releases/2712-philippine-embassy-committed-to-safety-of-filipinos>) urging that Filipinos follow the evacuation orders of Japanese authorities. It further suggested that Filipinos (including Embassy staff and dependents) concerned about radiation exposure consider voluntary relocation to areas further away at their own expense.

04:00 March 17, 2011 (NRC provides protective action recommendations based on U.S. Guidelines)

Under the guidelines for public safety that would be used in the United States under similar circumstances, the NRC believes it is appropriate for U.S. residents within 50 miles of the Fukushima reactors to evacuate.

Among other things, in the United States protective actions recommendations are implemented when projected doses could exceed 1 rem to the body or 5 rem to the thyroid. A rem is a measure of radiation dose. The average American is exposed to approximately 620 millirems, or 0.62 rem, of radiation each year from natural and manmade sources.

In making protective action recommendations, the NRC takes into account a variety of factors that include weather, wind direction and speed, and the status of the problem at the reactors.

Attached are the results of two sets of computer calculations used to support the NRC recommendations (see attachment).

In response to nuclear emergencies, the NRC works with other U.S. agencies to monitor radioactive releases and predict their path. All the available information continues to indicate Hawaii, Alaska, the U.S. Territories and the U.S. West Coast are not expected to experience any harmful levels of radioactivity.

00:00 March 17, 2011 Thursday: The National Police Agency's updated casualty figures from the March 11 earthquake and tsunami as of midnight March 17 are as follows: 4,314 deaths, 8,606 missing persons, and 2,282 injured persons.

04:00 March 17, 2011 Thursday

03:13 March 17, 2011 Thursday (U.S. military considering offering watering buckets): Nikkei reported on its website that the U.S. military is mulling bringing watering buckets from the U.S. for use at the trouble-ridden nuclear power plant in Fukushima so as to dump a large volume of water onto the overheating nuclear reactors. A U.S. military source said it is uncertain whether such buckets will be mounted on U.S. choppers or be loaned to SDF helicopters. The daily added that the USG appears to be strongly committed to restoring a relationship of trust with Japan through disaster relief cooperation, quoting a U.S. Embassy Tokyo source as saying: "We have been told repeatedly by a top U.S. military leader that 'we will not spare any cooperation. Please forward to us whatever requests you have.'"

02:27 March 17, 2011 Thursday (Seawater to be showered onto 4th reactor): NHK-TV's website reported on the National Police Agency's plan to mobilize a specially-tailored water releaser vehicle for use at Fukushima No. 1 nuclear power station. The vehicle will reportedly be used to shower seawater onto the 4th reactor where the temperature at a nearby spent fuel pool appears to be rising. The operation is likely to start as early as this morning.

01:57 March 17, 2011 Thursday (TEPCO corrects abnormal data from troubled reactor): Nikkei's website reported that TEPCO officials told reporters at midnight that the earlier-announced figure concerning pressure inside the containment vessel at the 2nd reactor was wrong. Pointing out that the 45 kilopascal measurement that TEPCO gave earlier as the level of pressure inside the vessel on Wednesday signaled that air laced with radiation may have been leaked out of it, the daily said the correct number turned out to be 450 kilopascals, a figure which would not indicate an abnormality.

01:34 March 17, 2011 Thursday (Pentagon declares 50 mile no-entry zone around Fukushima plant): Nikkei's website reported that a DOD spokesman revealed that the U.S. military has issued a notice prohibiting personnel from entering a zone within the 50 mile radius of the Fukushima No.1 nuclear power station. The article said the U.S. military is prepared for assisting Japan's relief efforts while ensuring that service members are spared from radiation exposure.

01:04 March 17, 2011 Thursday (PM Kan spoke with UN SecGen Ban): NHK-TV reported at 1:04 that Prime Minister Kan spoke by phone with UN Secretary General Ban Ki-Moon on Wednesday evening and promised that the GOJ will provide the international community with all necessary information regarding the ongoing nuclear troubles in Fukushima. Ban stated in reply that his organization will offer all-out support for Japan's efforts to deal with the crisis.

01:04 March 17, 2011 Thursday (More than 110 countries offer support for disaster relief): NHK's website reported that a total of 116 countries and regions, as well as 28 international organizations, have offered help for search and rescue and other disaster relief operations. The U.S., South Korea, and other countries have sent rescue teams, while Canada and several other countries have offered to send medical professionals. Nuclear experts from the U.S., France, Britain, as well as IAEA, are also arriving to assist Japan's efforts to deal with the nuclear crisis in Fukushima.

00:31 March 17, 2011 (Foreign journalists begin leaving Japan): Yomiuri reported on its website that foreign news organizations, including a French radio station and an Israeli TV outlet, have begun pulling their reporters and technicians out of Japan, apparently out of concern over possible radiation exposure. The daily added that some foreign diplomatic missions have also taken similar steps, highlighting a Russian decision to evacuate family members of Tokyo-based diplomats out of Japan starting on Friday.

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Saturday, March 19, 2011 10:16 PM
To: DART_PACTSU
Subject: 03.19.11 - OCHA Sit Rep
Attachments: 03.19.11 - OCHA Sit Rep.pdf

I. HIGHLIGHTS/KEY PRIORITIES

Most people who were stranded have now been found and moved to shelters

Survivors of the earthquake and tsunami start moving to other parts of the country

International aid organisations say most basic needs are being met but need for psychosocial support and help for the elderly

Electricity restored at the Fukushima Power Plant

Damaged infrastructure and fuel shortages continue to hamper relief efforts

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

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I. HIGHLIGHTS/KEY PRIORITIES

- Most people who were stranded have now been found and moved to shelters
- Survivors of the earthquake and tsunami start moving to other parts of the country
- International aid organisations say most basic needs are being met but need for psychosocial support and help for the elderly
- Electricity restored at the Fukushima Power Plant
- Damaged infrastructure and fuel shortages continue to hamper relief efforts

II. Situation Overview

In the last two days there has been a concerted effort by Japan's emergency services to rescue the last groups of people still stranded as a result of the earthquake and tsunami that devastated the northeast coast on 11 March. More than 16,000 stranded people in Iwate, Miyagi and Fukushima who were in areas cut-off due to damaged roads and communications have been brought to evacuation centres. The Emergency Disaster Response Headquarters says there are now just over 20 people still to be reached in Miyagi and Fukushima. With almost all people in the earthquake and tsunami affected areas now accessible, the focus of the response is shifting from search and rescue operations to caring for those who have been evacuated.

There are now 376,907 people taking shelter in 2,300 evacuation centres in the affected areas. This is 5,705 less than yesterday mostly due to evacuees being able to go to their relatives and friends in non-affected areas now that some roads are open. In the worst-affected Prefecture, Miyagi's Governor Yoshihiro Murai has told earthquake survivors they should relocate to other parts of Japan for now, due to the difficulties of providing housing for them in the short-term. He said the planned relocation will last about six months to a year until construction of temporary housing is completed. The Government has also requested local municipalities nationwide to take in the homeless in the short to medium term.

Statistics on Evacuation Centres and Number of Evacuees

Prefecture	# of evacuation centres	# of people in centres
Aomori	12	367
Iwate	> 332	49,454
Miyagi	1,096	187,719
Yamagata	45	3,440
Fukushima	446	131,665
Ibaraki	168	4,871
Tochigi	54	2,442
Niigata	59	7,894

Source: National Police Agency, 19 March 2011

Governor Murai also says the Prefectural Government could not evaluate the damage and assistance needs in the most affected areas since the municipal governments were also washed away by the tsunami. Many people have lost their livelihoods since the tsunami destroyed the fishing industry in Miyagi. He warns that the scale of damage will be very high as unlike an earthquake where houses collapse but the resident can still recover their possessions from the building, a tsunami washes everything away.

More than 18,000 people are now dead or missing: 7,197 confirmed deaths, 10,905 missing, and 2,611 injured. The supply of electricity and gas is slightly improving with only 289,000 households without electricity (713,000 people) compared to two days ago 452,000 households were without electricity. Access to water is still a concern and 938,000 households (2.3 million people) remain without water in 12 Prefectures. The Prime Minister is planning to visit the affected areas on 21 March to assess the current situation.

Meanwhile damaged roads, airports and ports are gradually being repaired. But delivery of relief goods sent in from around Japan to evacuees and survivors still remains difficult due to shortages of fuel and transport vehicles. International aid organizations in the affected areas say that most basics are being provided and there are only pockets of people still without assistance. NGOs such as MSF and Save the Children are focusing on getting to especially remote areas or on providing specialist help to the elderly or young children.

The situation at hospitals that have been without tap water, electricity and gas since the earthquake struck remains a concern. Many hospitals are trying to keep the patients alive without water or electricity. Some hospitals have reported reducing the number of meals and procedures provided. They fear that lives saved from the earthquake will now be lost due to the shortages of doctors and medicine. There is also a shortage of medicines for people with chronic conditions in the evacuation shelters. MSF says they have seen cases of hypothermia, serious dehydration and respiratory diseases in the shelters. The focus is now on keeping the elderly alive and healthy.

The cold weather has eased slightly but the Japan Meteorological Agency warned that freezing temperatures will return in the Tohoku region on 20 March, and be followed by heavy rains on 21 March. Unseasonably cold weather is expected to continue beyond 22 March. The Agency has also issued a flood alert for the earthquake affected coastal regions during the spring tides from the 18 – 26 March and in particular for Minami-Sanrikucho, Miyagi where the ground has sunk 75cm.

Fukushima Nuclear Plant

Japan's Nuclear and Industrial Safety Agency says they have restored electrical power to the nuclear plant, although it remains uncertain when full power will be available. According to the International Atomic Energy Agency (IAEA), the situation at the Fukushima Daiichi nuclear power plants remains very serious, but there has been no significant worsening since Wednesday. At Reactor 3, water cannons have been spraying water on the spent fuel pond and seawater has been injected into the reactor pressure vessel. Regular dose rate information is now being received from 47 Japanese cities. Dose rates in Tokyo and other cities remain far from levels which would require action - in other words they are not dangerous to human health.

The IAEA Director General met the Prime Minister as well as the Vice-President of TEPCO. He emphasized the importance of Japan working closely with the international community to resolve the crisis. They agreed the IAEA mission would focus on radiation measurements and the identification of Japanese needs for a future environmental monitoring programme.

III. Government Response

Logistics

The Government says the fuel situation is likely to be ameliorated by the beginning of next week. It has delivered 3,700.00 litres to date. Another 600,000 litres are in transit. Yesterday, 60,000 litres were delivered. The Government has also disbursed US\$66 million (5.4 billion yen) from its reserve fund to cover fuel costs for the deployment of the Self Defence Force which has been working to transfer relief supplies and gasoline to the devastated areas.

Japan's Federation of Economic Organizations is organizing a relief items transportation hotline scheme to support the affected populations in Aomori, Iwate, Miyagi, Fukushima and Ibaraki. The Federation has appealed to private sector and charity organizations to send the specified items such as rice, instant food, toilet paper, gloves, flash lights, diaper, and powdered milk to designated locations before 23 March.

Shelter

The construction of temporary housing for the evacuees has started in Rikuzen-Takada City and Kamaichi City, in Iwate Prefecture. In Rikuzen-Takada, 36 structures are planned for the end of this month, and 200 in total afterwards, while about 100 structures are to be built in Kamaishi, Ofunato, Iwate and Sohma, and Fukushima. The Ministry of Land, Infrastructure, Transport and Tourism, estimates 8,800 temporary houses are needed in Iwate, 10,000 in Miyagi and 14,000 in Fukushima for the short-term. The Government has requested a consortium of constructors to build at least 30,000 in two months.

There are currently an estimated 376,907 people in evacuation shelters in the affected areas. So far local governments from areas not affected have offered temporary accommodation for 164,000 people. Some of the accommodation includes a stadium in Tokyo where the facilities are basic. The municipalities of 27 Prefectures across the country are preparing temporary shelters for the evacuees from the disaster affected areas. 15,000 people have already moved.

Health

Medical assistance to the affected populations has shifted from emergency assistance to providing general healthcare to the affected populations in the evacuation centres. The current medical needs are prevention of infectious disease, post traumatic stress disorder, gastric ulcers, pneumonia, cardiac infection, cerebral stroke, treatment of chronic diseases, and provision of artificial dialysis.

The Ministry of Health, Labour and Welfare (MHLW) is coordinating the dispatch of health teams to Iwate, Miyagi and Fukushima. MHLW has relaxed several regulations to facilitate medical assistance such as allowing medical institutes to sell or contribute medicine without permission from the Prefectural Government. The Ministry of Education, Culture, Sports, Science and Technology has decided to dispatch 144 clinical psychotherapists for affected school children in Miyagi and Fukushima. MHLW is also coordinating the dispatch of child welfare specialists to the affected areas.

Food

According to the Emergency Disaster Response Headquarters in the Office of the Prime Minister, 3.8 million meals have been delivered to evacuation centres and hospitals in the affected areas. This is an increase of 900,000 meals since yesterday.

Water & Sanitation

According to the Emergency Disaster Response Headquarters, 2.7 million bottles of water have been delivered to evacuation centres and hospitals in the affected areas in total. Approximately 600,000 bottles of water were delivered yesterday (18 March).

IV. International Assistance

NGO and Relief Supplies

The Government of Japan has made public its position on international donations of relief items and on international Non-Governmental Organizations (NGOs) operating in Japan be made public. With regard to relief items, *"the Government of Japan has received offers for relief goods/material from many countries, international organizations, NGOs and private sector. The Government is identifying the needs and establishing a mechanism for storage and transportation to affected people. Therefore, it is recommended not to send any relief goods without coordination with the Government and local governments"*.

Concerning NGOs, the Government of Japan says *"Search and Rescue operation phase still continues in the affected areas at this moment and the access to those areas is strictly limited to rescue workers. It is also reported that there is temporary shortage of petrol in the affected area. International/foreign NGOs are recommended to wait until the situation improves so that those NGOs are able to conduct their activities in a self-sustainable way"*.

A 47-member South African Search and Rescue team and a 33-member team from Turkey have deployed to assist while another six international search and rescue teams have completed their activities and are going home. There are currently 333 rescuers working with Japanese counterparts on the recovery of bodies.

European Union MIC has sent in a team to coordinate the in-kind support from EU Member-States in relation to the earthquake/tsunami. The 16-member team is completely self-sufficient in terms of fuel, language, food, water, transport, and drivers. At the request of the Government of Japan the team will provide food, bottled water, temporary toilets and disposable toilets, 100 m2 tents, plastic gloves and boots and blankets.

WFP will deploy logistics experts to participate in the Government's central coordination response unit and establish a logistics coordination cell at the Narita Airport in Tokyo in order to avoid airport congestion caused by the large volume of incoming donations of relief items from third country governments. WFP will also provide emergency storage facilities to support the response efforts of the Government.

Save the Children teams working from Sendai are in the process of setting up child-friendly spaces. Their initial assessments in the north of Sendai found shortages of essential items such as food, water, cooking fuel and clothing. Save the Children will begin distributing blankets and essential items having identified pockets of humanitarian need.

A World Vision assessment team noted that priority needs are food, blankets, non-food relief items, supplies for babies and small children, support for women and interventions for children who are separated from their

parents. Relief items for 6,000 people provided by World Vision arrived in Miyagi on 17 March and will be distributed in Minami-Sanriku by the Japanese authorities.

International Medical Corps travelled to coastal communities, north of Sendai to assess post-disaster conditions and identify needs. In Matsushima, approximately one hour north of Sendai, the team found minimal damage as a result of the earthquake and tsunami as the harbor town is protected by a natural breakwater. 300 people remain in three evacuation centers and only one death was reported. The local hospital is near capacity, but functioning well, with local volunteer medical staff assisting and a team of 30 physicians scheduled to arrive shortly.

In East Matsushima, acute unmet needs were assessed and officials estimate many thousands to be dead or missing. Approximately half the town was inundated by the tsunami, as this semi-urban agricultural and industrial town of 43,000 is in a low lying area. There is significant destruction with most of the buildings entirely leveled. There is no water supply in the area, most areas are without electricity and there is no cell phone coverage. Much of the southern and peninsular part of East Matsushima has been lowered by the earthquake by approximately two feet, meaning that large areas are now under water. Approximately 14,000 people have been evacuated to 80 evacuation sites in the city, which are managed by the city Public Health and Social Welfare Service director. There are a number of shortages reported at the evacuation centers, including a severe shortage of food and water and basic non-food items, and a lack of medical attention for the vulnerable and elderly. Shortage of medicines for the treatment of chronic diseases were also reported, as due to supply shortages, the hospital only provides three days worth of medication. As almost everyone has suffered major losses there is a need for psychosocial care.

V. Coordination

The Government of Japan's Emergency Management agencies are leading the response through the Emergency Response Team, headed by Prime Minister Naoto Kan. Information from the Government of Japan, including situation reports can be found at <http://www.kantei.go.jp>.

An UNDAC team, based at JICA Tokyo International Centre is supporting the Government with information management and supporting the International USAR teams. OCHA's Director of Coordination and Response John Ging will visit Japan on the 20 – 21 March.

The UNDAC Team accompanied by Map Action attended a coordination meeting by NGO consortia, Japan Platform, to discuss coordination of both national and international NGOs assisting in the humanitarian response. Also in attendance were the Cabinet Secretariat, MOFA, JICA, UNHCR, WFP, the OFDA DART Team, World Vision and other International NGOs. It was agreed that further discussion will take place with Japan Platform potentially having a key coordination role in partnership with the Cabinet Secretariat.

Information sites:

- Regular updates on USAR teams are posted on the Virtual OSOCC.
- UNITAR/UNOSAT has produced a map that illustrates satellite-detected standing bodies of water remaining after the tsunami over the city of Sendai and affected areas south in Miyagi Prefecture. <http://www.unitar.org/unosat/node/44/1549>
- Crisis Commons has put together a Japan Data Profile wiki containing various data sources relevant to the Japan earthquake and tsunami response: http://wiki.crisiscommons.org/wiki/Japan_Data_Profile
- The International Atomic Energy Agency (IAEA) is posting official updates on the nuclear power plants: <http://www.iaea.org/newscenter/news/tsunamiupdate01.html>. The World Health Organisation has information on its website regarding radiation-related health risks: <http://www.who.int/hac/crises/jpn/faqs/en/index.html>.
- Japan's Ministry of Education has released results of all radiation measurements per prefecture on <http://eq.sakura.ne.jp>.
- **Official national meteorological information can be found at:**
Japan: Japan Meteorological Agency: <http://www.jma.go.jp/jma/indexe.html>
China: China Meteorological Administration: <http://www.cma.gov.cn/>
Russia: Service for Hydrometeorology and Environmental Monitoring: <http://www.meteorf.ru/default.aspx>

VI. Contact

Please contact:

Tokyo: Kirsten Mildren
UNDAC Public Information Officer
mildren@un.org, +66 819 15 1276

New York: Masaki Watabe
Humanitarian Affairs Officer
Asia-Pacific Section, Coordination and Response Division
watabem@un.org, +1-917-367-2832

Ms. Stephanie Bunker
Spokesperson and Public Information Officer Public, OCHA New York
bunker@un.org, +1 917 367 5126

Geneva: Anvar Munavvarov
Humanitarian Affairs Officer
munavvarov@un.org +41 (0) 22 917 1489

Ms. Elisabeth Byrs
Spokesperson and Public Information Officer, OCHA Geneva
byrs@un.org, +41 22 917 2653

For more information, please visit:

<http://ochaonline.un.org> www.reliefweb.int www.irinnews.org

To be added or deleted from this sit rep mailing list, please e-mail: ochareporting@un.org

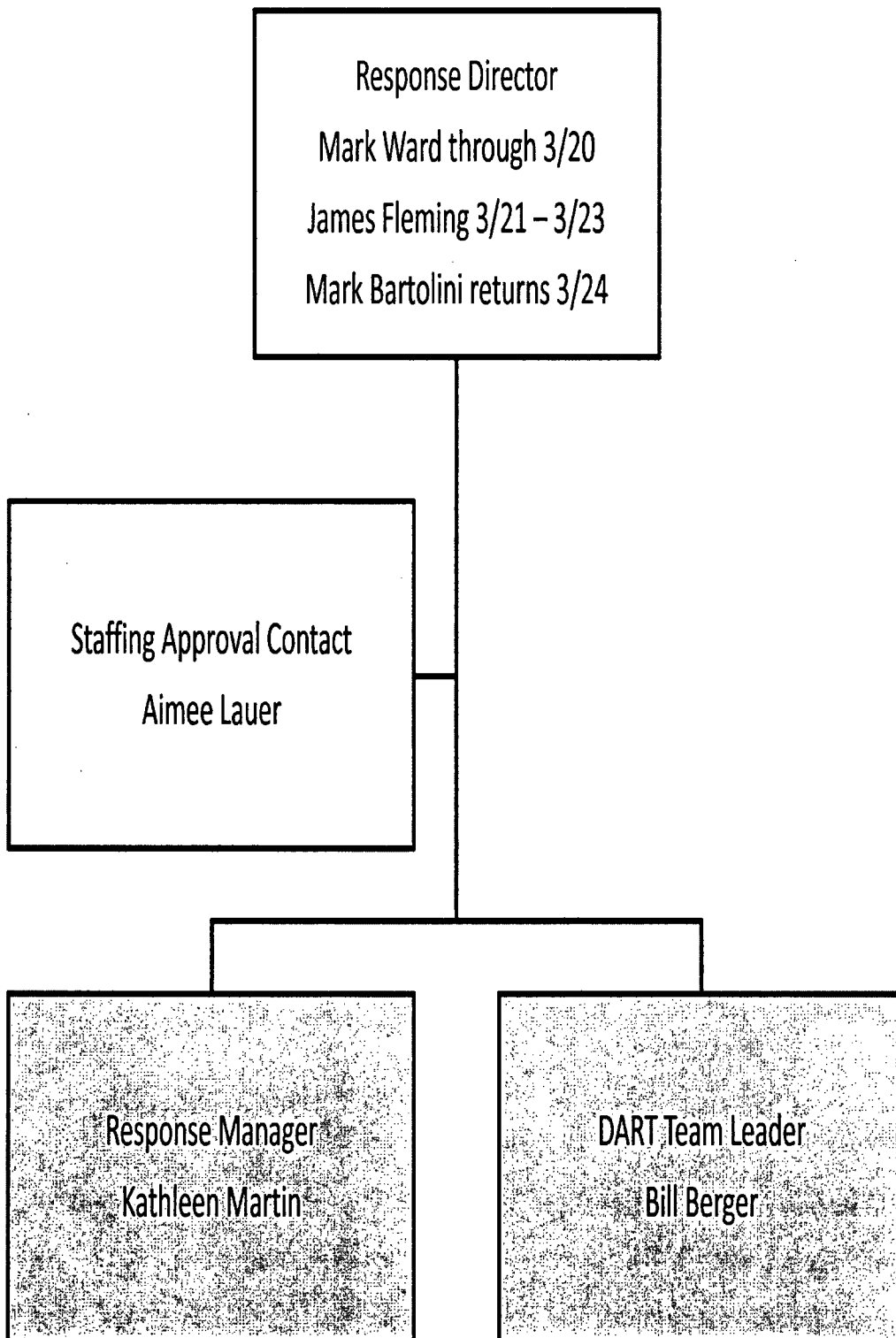
From: RMTPACTSU_DMO <RMTPACTSU_DMO@ofda.gov>
Sent: Saturday, March 19, 2011 10:15 PM
To: RMT_PACTSU; DART_PACTSU
Subject: updated org charts for DART/RMT
Attachments: PAC TSU Response Org Charts_03 19 2011.pptx

Hi everyone,

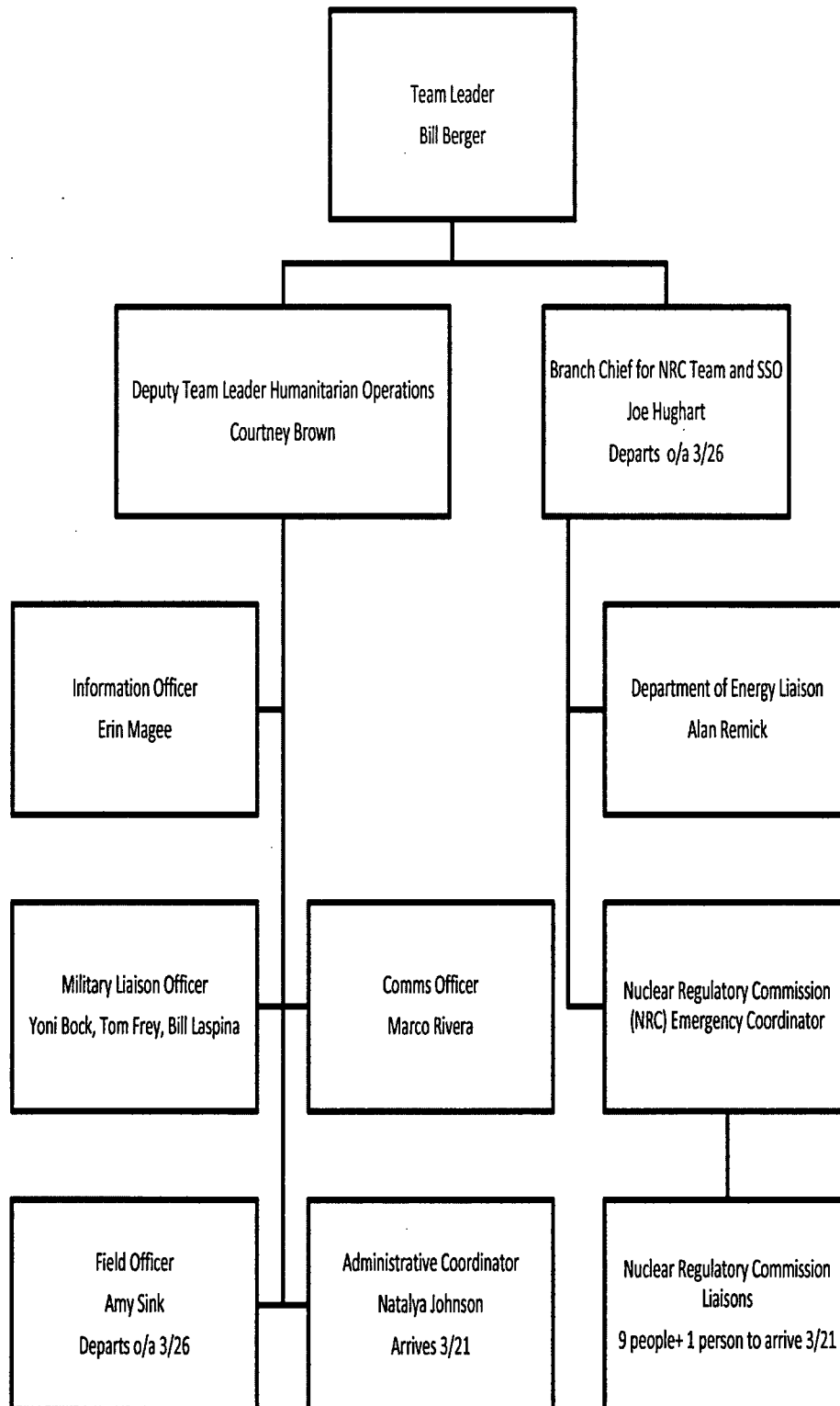
Attached please find the updated organizational charts for the DART and RMT.

Chris Leonardo
Deputy Manager for Operations
Pacific Tsunami Response Management Team
RMTPACTSU_DMO@ofda.gov
202-712-0039

Pacific Tsunami Response - Senior Management

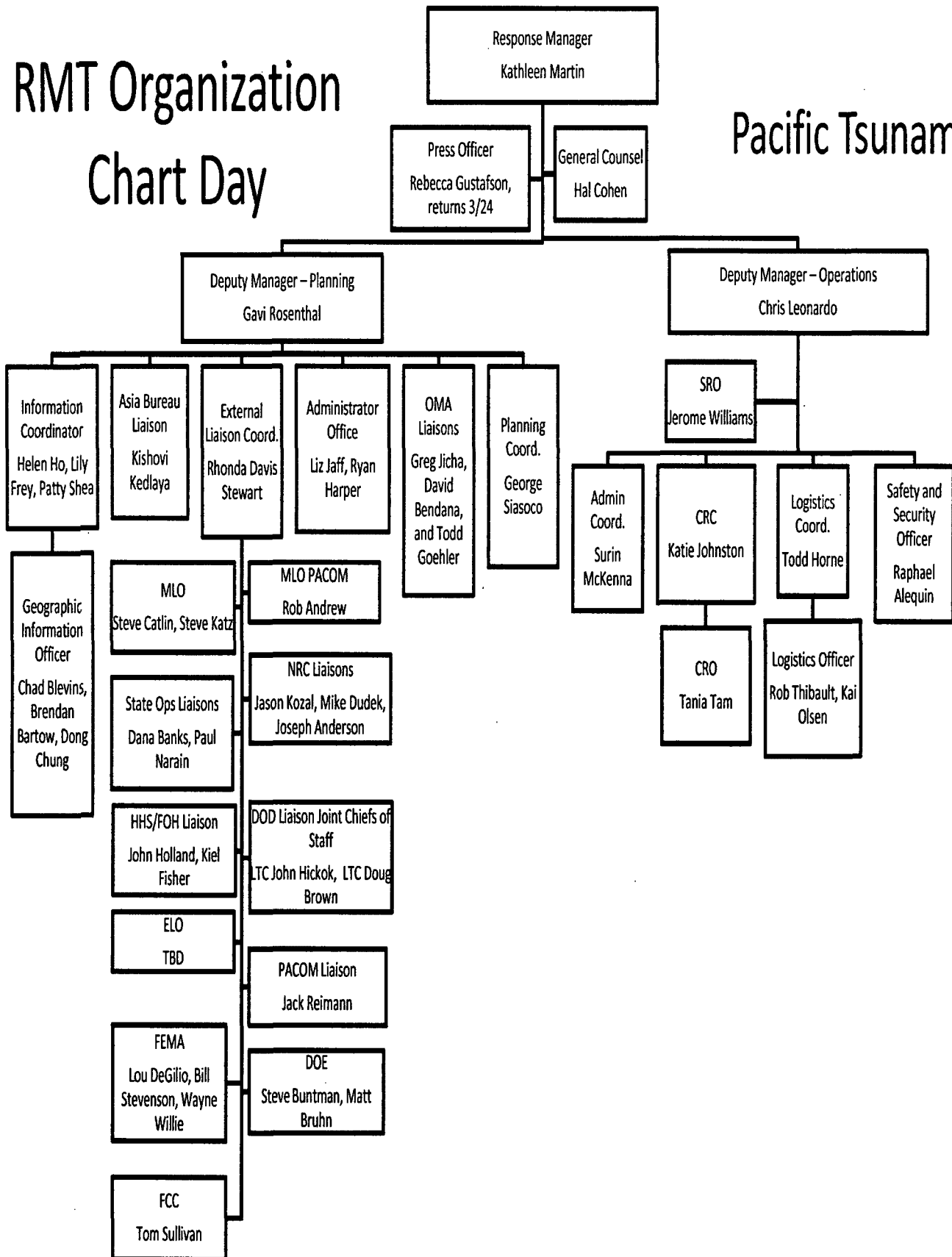


Pacific Tsunami DART



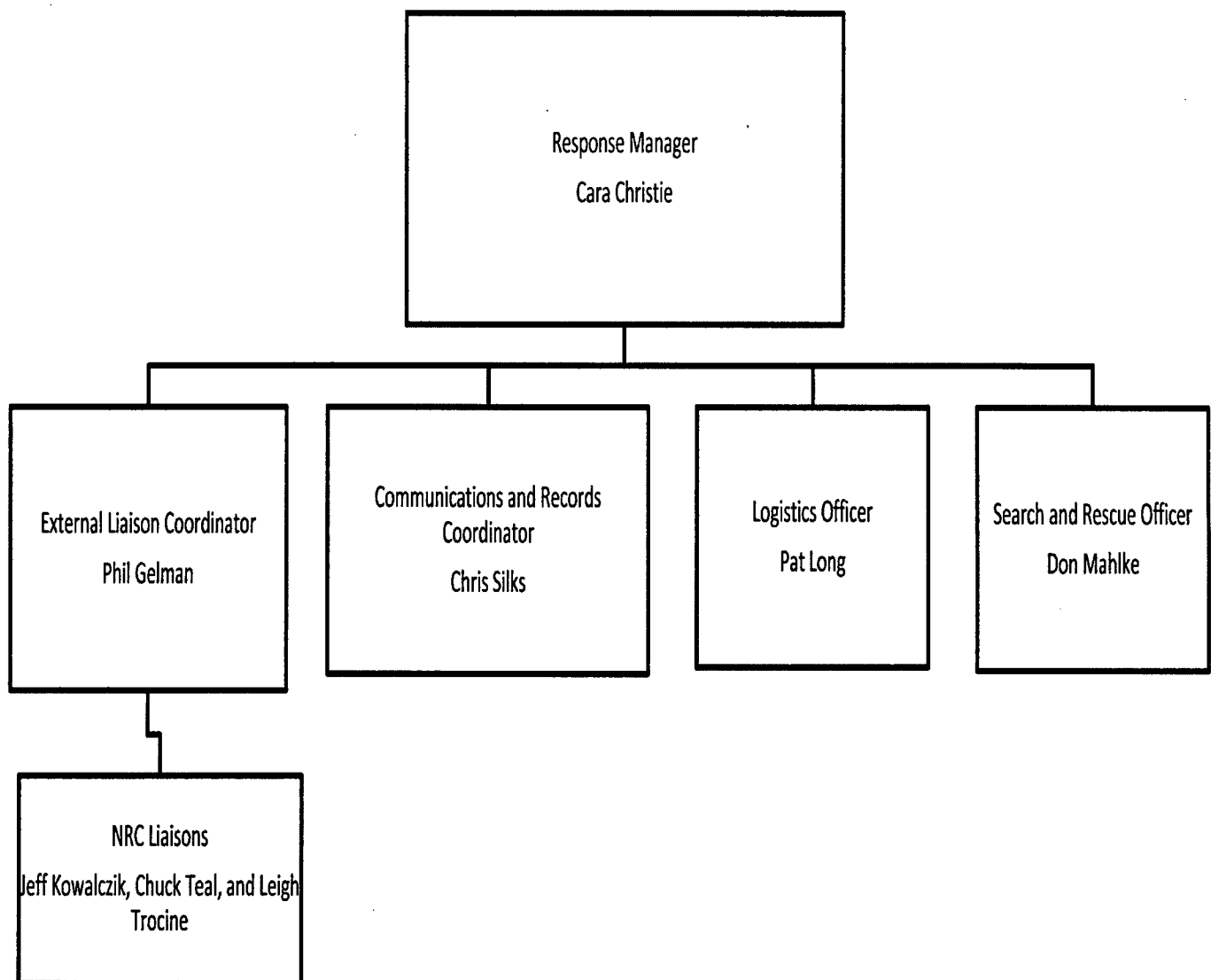
RMT Organization Chart Day

Pacific Tsunami



RMT Organization Chart Night

Pacific Tsunami



From: Rivera, Marco <mrivera@ofda.gov>
Sent: Saturday, March 19, 2011 10:15 PM
To: DART_PACTSU
Subject: Updated Contact List
Attachments: Japan Contact list New.xlsx

JAP.

USAID/OFDA Team

Mark Bartolini- 703-459-6546 (departs 3/23)

Bill Laspina- Black Berry- (b)(6)

SatPhone- (b)(6)

Thomas Frey-571-332-8357

John Beed- 571-340-4000

Rie Yamaki- 571-435-4138

Erin Magee- 703-981-1742

Courtney Brown- 571-276-3242

Marco Rivera- 571-331-1392

Rebecca Gustafson- 571-435-6047 (departs 3/23)

Amy Sink- USAID BB- (b)(6)
OFDA BB-

Joe Hughart- 571-354-9174

Bill Berger- 202-407-3356

Yoni Bock--DNS at USFJ: 225-2731, 3137, 2469.
(To call from US Embassy, dial 22 first)

Calling Yokota from non DSN: (0) 425 522-511,
ext 52731, 52469, 53137

Yoni Bock BB- 703-389-5374

AN DART CONTACT LIST

NRC TEAM			DOE Team
Richard Devercelly	(b)(6)		Alex Remick 571-435-6899
Timothy Kolb	(b)(6)		Daniel Blumenthal 571-354-9175
Chuck Casto	(b)(6)		
William Cook	(b)(6)		
Tony Nakanishi	(b)(6)		
Jack Foster	(b)(6)		
James Trapp	(b)(6)		
John Monninger	(b)(6)		
Brooke Smith	(b)(6)		
Kirk Foggie	(b)(6)		
Bruce Howard	(b)(6)		
NRC EMBASSY LINE- 03-3224-5066			
NRC Hq Ops Center- 301-816-5100			

From: LIA07 Hoc
Sent: Saturday, March 19, 2011 9:42 PM
To: Monninger, John
Cc: Ross-Lee, MaryJane
Subject: FW: Charter
Attachments: Charter Rev 1.docx

Hi John,
Is this the charter that you have in Japan or that reflects your understanding of what you're working to?
Thanks,
Sara

-----Original Message-----

From: Ross-Lee, MaryJane
Sent: Saturday, March 19, 2011 9:35 PM
To: LIA07 Hoc
Subject: Fw: Charter

Sent from my blackberry

MJ (b)(6)

----- Original Message -----

From: Ramsey, Jack
To: Mamish, Nader
Cc: Ross-Lee, MaryJane; Doane, Margaret
Sent: Sat Mar 19 21:21:45 2011
Subject: RE: Charter

This is what I have. It's the version you and I finalized after Chairman review (Chairman review of the initial draft). However, I don't know if any additional changes were made subsequent to our working on it.

-----Original Message-----

From: Mamish, Nader
Sent: Saturday, March 19, 2011 9:03 PM
To: Ramsey, Jack
Cc: Ross-Lee, MaryJane; Doane, Margaret
Subject: RE: Charter

Jack:

Could you please help? I don't recall getting an e-copy of it.

Thanks

-----Original Message-----

From: Ross-Lee, MaryJane
Sent: Saturday, March 19, 2011 7:17 PM

To: Doane, Margaret; Mamish, Nader

Subject: Charter

Can you send a copy of the japanese teams charter? Our guys on the ground. Thx Sent from my blackberry MJ (b)(6)

(b)(6)

Charter (Rev 1)
USNRC Support to USAID
March 14, 2011

Goal:

To support efforts by the U.S. Embassy in Japan to provide technical assistance to help assess and mitigate the impacts of the March 11, 2011 earthquake and tsunami on Japan's nuclear facilities.

Organization:

The NRC support team will be led by a Team Leader. The Team Leader will have ultimate responsibility for coordinating and executing the actions of the Team and U.S government support related to the nuclear facilities on behalf, and at the direction, of the U.S. Ambassador to Japan. The Team Leader will liaise with the Japanese officials, the US Embassy and other U.S. government stakeholders (as appropriate).

The Team will be comprised, initially, of NRC staff with experience in reactor analysis and reactor operations. The Team will be supplemented by NRC staff with experience in cooperation with Japan.

Activities:

The Team, in response to requests, shall:

- Conduct all activities needed to understand the status of efforts to place nuclear power plants impacted by the earthquake and tsunami into a safe shutdown condition;
- Deepen U.S. understanding of the situation on the ground;
- Conduct all activities needed to understand the potential impact, on people and the environment, of any actual or potential release of radioactivity from Japanese nuclear facilities;
- Provide, when asked, authorized U.S. technical advice and support, through the U.S. Ambassador, for the Japanese government's decision making process; and
- Rely on NRC headquarters for technical support beyond their onsite capabilities.

The Team shall establish and maintain communication with:

- NISA and its designated representatives;
- The US Embassy to Japan;
- NRC headquarters; and
- Other U.S. government stakeholders, as appropriate.

From: JAPAN ASSISTANCE ALERT <JAPAN_ASSISTANCE_ALERT@USAID.GOV>
Sent: Saturday, March 19, 2011 7:48 PM
Subject: ALERT - Do not disseminate: (SBU) 03.19.11 - USAID Administrator's Report on Japan Earthquake and Tsunami #9

All,

The internal U.S. government document entitled USAID Administrator's Report on the Japan Earthquake and Tsunami #9, dated March 19, 2011, has been released publicly in error. Information in this update is unclassified but not intended for public distribution, as such, please refrain from distributing it further.

Many thanks,

Helen Ho and Alison Lapp
Information Coordinators
Pacific Tsunami and Japan Earthquake Response Management Team
RMTPACTSU_INC@ofda.gov
202-712-0039

From: RMTPACTSU_LC <RMTPACTSU_LC@ofda.gov>
Sent: Saturday, March 19, 2011 6:46 PM
To: RMT_PACTSU; DART_PACTSU
Subject: Wheels down LAX

The USAR teams have arrived at Los Angeles.

Kai Olsen

Logistics Coordinator
202-712-0039 x-5706
Rmtpactsu_lc@ofda.gov
ofdalogistics@usaid.gov

From: Perks, Dewey(DCHA/OFDA) <dperks@usaid.gov>
Sent: Saturday, March 19, 2011 6:37 PM
To: rmtpactsu_@ofda.gov; OFDAGOV: DART_PACTSU
Subject: Just Landed - LAX

From: RMTPACTSU_AC <RMTPACTSU_AC@ofda.gov>
Sent: Saturday, March 19, 2011 6:31 PM
To: RMT_PACTSU; DART_PACTSU
Subject: DART Deployment Schedule 3.19.11
Attachments: DART Deployment Schedule 03.19.11.xls

Hi Everyone,

Attached is the DART Deployment Schedule. Please let me know if there are any questions or concerns. (Note: I have highlighted team members who are currently en route or who are scheduled to travel within the next several days.)

Regards,

Ron Mortensen
Acting AC for today only....

Departure
times are
local Arrival times are local

Pacific Tsunami DART

10/22/2012 23:17

DART	Name	Current Location	Departure	Arrival	NOTES
Team Leader	Bill Berger	Tokyo, Japan		BMI 0771 @1610	
Admin Coordinator	Sarah Potts	On Route to U.S.		Missawa @1522	w/LA USAR
Admin Coordinator	Natalya Johnson	In U.S. Preparing for departure to Tokyo	3/20/11 at 13:20 UA 0897	Narita 3/21/11 at 4:35 P.M. UA0897	
Communications Officer	Marco Rivera	Tokyo, Japan		KE701 @1125 a.m. Narita	
Information Officer	Erin Magee	Tokyo, Japan		GA 884 @0900	
Deputy Team Leader	Courtney Brown	Tokyo, Japan		TG 676 @1600	
Field Officer	Amy Sink	Tokyo, Japan		AA5835 @1605	
Military Liaison Officer	Yoni Bock	Tokyo, Japan		TK 0050 @1230	
Logistics Officer	Travis Betz	On Route to U.S.		QF 0021 @0605	
Operations Coordinator	Dewey Perks	On Route to U.S.		Missawa @1522	w/LA USAR
Deputy Team Leader for Tech Team and SSO	Joe Hughart	Tokyo, Japan		UA 0881 @1725	
DOE Liaison	Alan Remick	Tokyo, Japan		UA 0897 @1635	
NRC Liaison	Anthony Ulses	Tokyo, Japan		Missawa @1522	
NRC Liaison	James Trapp	Tokyo, Japan		UA 9681 @2225	
Press Officer	Dave Stone	En Route to U.S.		Missawa @1522	
NRC Emergency Coordinator	Chuck Casto	Tokyo, Japan		AA 0175 @1330	Narita
NRC Officer	Brooke Smith	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Richard Devercelly	Tokyo, Japan		DL 0275 @1615	Narita
NRC Officer	Tim Kolb	En Route to U.S.		BA 0005 @0910	Narita
NRC Officer	John Monninger	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Tony Nakanishi	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Jack Foster	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	William Cook	Tokyo, Japan		BA 0005 @0910	Narita
NRC Officer	Kirk Foggie	Tokyo, Japan		BA 0005 @0910	Narita
Military Liaison Officer	Thomas Frey	Yokota AFB, Japan		UNITED837 @1540	Narita
SSO	Bill Laspina	Tokyo, Japan	UA 6398 3/17 @0806	UA 0837 @1540 on 3/18	Narita

NRC Officer	Daniel Dorman	En Route to Japan	UA 0897 3/19@1322	UA 0897 3/20 @1635	Narita
Branch Chief for HHS Team	Chris Howard	Washington, DC	on hold	Delta 0173 @1700	Narita
HHS Officer	Charles Miller	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	Jana Telfer	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	James Schwendinger	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	Oscar Tarrago	Atlanta, GA	on hold	AA 0061 @1530	Narita
HHS Officer	Dr. Bader	IAD	on hold	United 0837 @1540	Narita
HHS Officer	Dr. Coleman	IAD	on hold	United 0837 @1540	Narita
Daily TOTAL					

Other					
OFDA Director	Mark Bartolini	En Route	UA 0897 3/19@1322	UA 0897 3/20 @1635	Narita
Press Officer	Rebecca Gustafson	En Route	UA 0897 3/19@1322	UA 0897 3/20 @1635	Narita
TOTAL					

TOTAL Assessment & Other Support

Additional Regional Travler

10/22/2012 23:17

Traveler	Name	Arrival - Tunisia	Arrival - Egypt	Return	Total Days	Mo	Tu	We	Th
						7	8	9	10
DCHA AA	Nancy Lindborg	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/13/2011	2		A	x	
State/PRM A/S	Eric Schwartz	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/12/2011	2		A	x	
State/PRM Staff Assistant	Lauren Diekman	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/12/2011	2		A	x	
Daily TOTAL						0	3	3	0

March

<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

From: LIA07 Hoc
Sent: Saturday, March 19, 2011 5:50 PM
To: Liaison Japan
Subject: Status Update - 1800 EDT, March 19, 2011
Attachments: USNRC Earthquake-Tsunami Update.031911.1800EDT.docx

Attached, please find an 1800 EDT March 19, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Thanks,
Sara

Sara K. Mroz
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
Sara.Mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: LIA02 Hoc
Sent: Saturday, March 19, 2011 5:39 PM
To: Casto, Chuck; Monninger, John
Subject: FW: PUMP SHIPMENT BRIDGELINE

Chuck and John,

Here is the information from our phone conversations a few minutes ago. The conference call is scheduled for 7am Japan time. Thanks,

Jill Shepherd

From: LIA11 Hoc
Sent: Saturday, March 19, 2011 4:30 PM
To: LIA02 Hoc
Subject: PUMP SHIPMENT BRIDGELINE

Jill

The bridge line is called "PUMP SHIPMENT BRIDGE." The call in time 6 PM (east coast) and the call in number is 301-415-5100.

Jeff Lynch

From: RMTPACTSU_CRC <RMTPACTSU_CRC@ofda.gov>
Sent: Saturday, March 19, 2011 4:58 PM
To: RMT_PACTSU; DART_PACTSU
Cc: Dwyer, Alan (RDMA/OFDA) [USAID]
Subject: Next DART-RMT call cancelled

Dear all –

This is a friendly reminder that the DART/RMT call scheduled for 7pm Saturday EDT/ 8am Sunday JST is cancelled.

The next call will be 7am Sunday EDT/ 8pm Sunday JST.

Thank you!

Katie Johnston
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_crc@ofda.gov
202-712-0036

From: JAPAN ASSISTANCE ALERT <JAPAN_ASSISTANCE_ALERT@USAID.GOV>
Sent: Saturday, March 19, 2011 4:39 PM
Subject: (SBU) 03.19.11 - USAID Administrator's Report on Japan Earthquake and Tsunami #9
Attachments: image001.png; image003.jpg; image005.gif; (SBU) 03.19.11 - USAID Admin Report on Japan EQ and Tsunami #9.pdf

Please find attached and pasted below the USAID Administrator's Report on the Japan Earthquake and Tsunami #9, dated March 19, 2011. ~~Information in this update is sensitive but unclassified (SBU) and designated for internal U.S. Government use only; please handle accordingly.~~

If you experience formatting issues in the text below, please refer to the attached document.

To be added to or removed from this distribution list, please email rmtpactsu_inc@ofda.gov



USAID
FROM THE AMERICAN PEOPLE

Administrator's Report

Japan Earthquake and Tsunami Humanitarian Update #9 March 19, 2011

The magnitude 9.0 earthquake and subsequent tsunami that struck northeastern Japan on March 11 resulted in nearly 21,000 people dead, missing, or injured and led to malfunctions at the Fukushima Daiichi nuclear power plant. USAID/OFDA—as the coordinator for U.S. Government (USG) disaster assistance—immediately activated a Response Management Team (RMT) and deployed a Disaster Assistance Response Team (DART) that included urban search and rescue (USAR) specialists. In response to damages at Japanese nuclear facilities, USAID augmented its DART and RMT with experts from the U.S. Nuclear Regulatory Commission (NRC), the U.S. Department of Energy (DoE), and the U.S. Department of Health and Human Services (HHS) to provide technical assistance to Government of Japan (GoJ) officials. USAID continues to respond to requests for assistance from the GoJ in coordination with other relevant USG agencies and the U.S. Department of Defense (DoD) as the humanitarian situation in Japan evolves.

Key Developments

- **Casualty Numbers Rise as Recovery Continues:** The GoJ reported that the earthquake and tsunami had resulted in 7,508 deaths, 11,680 persons missing, and 2,583 people injured, as of 0800 hours EDT, or 2100 hours Japan Standard Time (JST), on March 19. The natural disasters also damaged or destroyed more than 117,000 buildings and 1,300 roads.
- **(SBU) Status of Nuclear Incident:** Conditions at the Fukushima Daiichi nuclear power plant remained relatively stable as of 0500 hours EDT March 19, according to NRC personnel on the DART and RMT. According to the International Atomic Energy Agency, the Tokyo Electric Power Company is ventilating the rooftops of units 5 and 6 of the Daiichi plant to release hydrogen and prevent further explosions. To date, staff from the DART, DoE, and U.S. Embassy in Tokyo report no increase in radiation levels in Tokyo.
- **USAR Teams Returning to U.S.:** U.S. USAR teams from Fairfax County, Virginia, and Los Angeles County, California, are expected to arrive in the U.S. within the next 24 hours, having completed all search assignments requested by the GoJ. Prior to their departure, the U.S. USAR teams transferred nearly \$145,000 in equipment to the Ofunato fire department to assist with local recovery efforts. The equipment includes 4 zodiac boat kits—containing boats, motor, fuel tanks, and paddles—16 kerosene heaters, 160 cots, and 160 sleeping bags.

- **Oil Refineries To Resume Operations:** On March 19, the GoJ reported that recent fuel shortages may improve this weekend and through the coming week as two large refineries resume operations and 300 fuel trucks commence deliveries to affected areas.

Current Response

- **DART Monitors Humanitarian Situation:** On March 19, the DART met with approximately 20 international and local non-governmental organizations (NGOs), the U.N. Disaster Assessment and Coordination (UNDAC) team, GoJ Ministry of Foreign Affairs, and Japan Platform—a Japanese NGO, private sector, and government partnership—as part of its efforts to assess the humanitarian situation in Japan. The meeting represented the first effort to coordinate international humanitarian agencies with the GoJ, and the DART noted that the GoJ appears to increasingly recognize the role of NGOs in the response as relief provision becomes more central to GoJ efforts.
- **DART Assists with Military Cooperation:** Two DART military liaison officers remain at the Yokota Air Force Base outside of Tokyo, Japan, to work with U.S. Forces-Japan (USFJ) in defining humanitarian requirements and validating humanitarian operations. DART staff continue to work with USFJ to clarify the scope and scale of the overall military mission in ongoing USG humanitarian assistance operations.
- **DoD Assistance:** On March 19, USFJ delivered nearly 5,000 daily servings of food and water, as well as 18,600 pounds of emergency relief supplies. USFJ continues to dispatch additional relief supplies to affected locations.
- **(SBU) DoE Assistance:** The DoE team in Japan continues to conduct aerial surveillance of radiation levels in the vicinity of the Fukushima Daiichi nuclear power plant. Analysis of the preliminary data collected by DoE staff is ongoing. In addition, a DoE Nuclear Incident Team in Washington, D.C., continues to monitor the evolving situation.
- **(SBU) NRC Assistance:** The NRC hosted an industry-to-industry and government agency meeting to facilitate information-sharing among participants at 1400 hours EDT on March 19. The NRC also continues to analyze data from the DoE aerial surveillance. Eleven NRC personnel remain on the DART to provide guidance to the U.S. Embassy in Tokyo.

GoJ Response

- **GoJ Accesses Isolated Populations:** Small pockets of affected populations remain in areas made inaccessible by poor road conditions. The Japan Self-Defense Forces are working to transport people who elect to relocate to evacuation centers from these areas and plans to access all isolated populations within two days. Approximately 95 percent of main roads leading to affected coastal areas are repaired, with additional repairs ongoing, according to the GoJ. The GoJ also reported that six previously damaged sea ports are now operational and the Sendai airport is currently open for a limited number of emergency and humanitarian flights.
- **Non-Affected Prefectures Provide Shelter:** On March 19, prefectures from across Japan announced plans to provide temporary housing for evacuees from tsunami- and nuclear-affected areas. To date, Hyogo and Osaka prefectures plan to accommodate approximately 10,000 people each, while Tottori Prefecture will likely accept 2,000 people, according to Japanese media sources.

International Response

- **WFP Plans to Send Logistics Experts:** On March 19, the U.N. Office for the Coordination of Humanitarian Affairs reported that the U.N. World Food Program (WFP) plans to send logistics experts to participate in the GoJ's central coordination response unit. WFP also expects to establish a logistics coordination cell at Narita Airport in Tokyo to mitigate potential airport congestion caused by the large volume of incoming relief item donations.

USG Outreach

- **Public Outreach:** On March 17, AA/DCHA Nancy Lindborg held a public outreach call with more than 150 individuals to share information regarding the humanitarian situation in Japan. In addition, RMT staff in Washington, D.C., continue to assist members of the public who express interest in contributing to Japan aid efforts by directing people to email japanhelp@ofda.gov or to visit www.usaid.gov and USAID/OFDA's Center for International Disaster Information (CIDI).
- **Corporate Outreach:** DART and RMT staff continue to facilitate collaborations between corporations with technical expertise and other U.S. agencies also responding to the disasters in Japan. The RMT is also working with the USAID Administrator's office to offer technical advice on a corporate engagement strategy to ensure that corporate offers of assistance are validated and appropriate.

NUMBERS AT A GLANCE ^[1]		SOURCE
Confirmed Deaths	7,508	GoJ NPA ^[2] – March 19, 2011
Missing Persons	11,680	GoJ NPA – March 19, 2011
Number of People in Evacuation Centers	255,074	GoJ NPA – March 19, 2011

USG Funding Announced and Committed To Date

Fiscal Year (FY) 2011

USAID's Office of U.S. Foreign Disaster Assistance (USAID/OFDA)^[3] \$7,210,614
 U.S. Department of Defense (DoD)..... \$7,140,900
Total USG Assistance for Japan..... \$14,351,514

Helen Ho and Alison Lapp

Information Coordinators

Pacific Tsunami and Japan Earthquake Response Management Team

RMTPACTSU_INC@ofda.gov

202-712-0039

[1] Figures remain preliminary and are expected to change.

[2] National Police Agency

[3] USAID plans to provide \$8 million in humanitarian assistance in response to the Japan earthquake and tsunami.

From: LIA02 Hoc
Sent: Saturday, March 19, 2011 1:15 PM
To: Casto, Chuck; Monninger, John
Cc: Foggie, Kirk; Smith, Brooke
Subject: Discussion about Bechtel Pump solution for 1 train

Chuck and John,

(b)(5)

Call is 6 pm (ET), 7 am (Tokyo Time).

Steve Bloom

From: LIA02 Hoc
Sent: Saturday, March 19, 2011 12:55 PM
To: Doane, Margaret; Mamish, Nader; Liaison Japan
Subject: FW: (b)(5) Pumping equipment for Japan now in Australia
Attachments: RE: MOD in charge of nuclear disaster response; meeting today to consider possible response options for Prime Minister

FYI

From: Toko, Kenichiro (Ken) [mailto:TokoKE@state.gov]
Sent: Saturday, March 19, 2011 12:47 PM
To: Hyland, Jason P; Young, Joseph M; zTask Force 1 Mailbox; Campbell, Kurt M; Deming, Rust M; Loi, James L; Patel, Nirav S; Mace, Casey K; Johstone, Christopher DASD OSD; Seiden, Maya D; Bader, Jeffrey A.; Johnson, Daniel H.; Duncan, Shawn H.; Woodward, Aleisha; Luke, Robert S; Marut, Christopher J; Bleich, Jeffrey L; Donovan, Joseph R; Stockton, Richard C; Yang, Forest; EAP-J-Office-DL; Tong, Kurt W; Mace, Casey K; Donovan, Joseph R; Deming, Rust M; Patel, Nirav S; Loi, James L; (b)(6); daniel.poneman@hq.doe.gov; TaskForce-1; zTask Force 1 Mailbox; Japan-Embassy-Task-Force-DL; JapanEmbassy, TaskForce; Tong, Kurt W; Zumwalt, James P; LIA02 Hoc; LIA03 Hoc; (b)(6) rmt_pactsu@ofda.gov; (b)(6); (b)(6) Young, Joseph M
Cc: Roos, John; Zumwalt, James P; Basalla, Suzanne I; Fuller, Matthew G; Horowitz, Paul D; Greg Loose; Aaron Held; Casto, Chuck; (b)(6); Greene, Raymond F; (b)(6); Hecker, James B Col USAF USFJ J3; Davies, Glyn T; Hyland, Jason P; Cook, William; Smith, Brooke; Tokyo PolMil Unit; tim.gellel@dfat.gov.au; Steinberg, James B
Subject: RE: (b)(5) Pumping equipment for Japan now in Australia

Message from Embassy Pol-Mil Joe Young:

(b)(5)

(b)(5)

SBU
This email is UNCLASSIFIED.

From: CMS TaskForce1C - Coordinator

To: (b)(6)

(b)(6)

Cc: Zumwalt, James P; Woodward, Aleisha; Luke, Robert S; Marut, Christopher J; Bleich, Jeffrey L; Donovan, Joseph R; Stockton, Richard C; Yang, Forest; EAP-J-Office-DL

Sent: Sat Mar 19 11:27:06 2011

Subject: RE: (b)(5) Pumping equipment for Japan now in Australia

(b)(5)

Jason, Aleisha – please let our Australian colleagues know that we remain grateful for their assistance and appreciate what they did when this was an operational priority.

Simon Schuchat
Coordinator, Japan TF-1

From: LIA02 Hoc
Sent: Saturday, March 19, 2011 12:27 PM
To: Liaison Japan
Subject: FW: Deployment to Japan
Attachments: 2nd Staff Deployment to Japan.docx

From: LIA02 Hoc
Sent: Saturday, March 19, 2011 12:15 PM
To: Doane, Margaret; Mamish, Nader; Dembek, Stephen; Carter, Mary
Subject: FW: Deployment to Japan

From: Evans, Michele
Sent: Saturday, March 19, 2011 12:15 PM
To: LIA02 Hoc; LIA03 Hoc
Cc: LIA06 Hoc; LIA08 Hoc
Subject: FW: Deployment to Japan

As requested.

From: Evans, Michele
Sent: Saturday, March 19, 2011 11:42 AM
To: Scott, Michael; Blamey, Alan; Giessner, John; Taylor, Robert; Jackson, Todd; Miller, Marie; Ali, Syed; Sheikh, Abdul; Way, Ralph; Ramsey, Jack
Cc: Cadoux, Claude; Dempsey, Jeanne; Linnerooth, Sarah; Buchholz, Jeri; Sheron, Brian; McCree, Victor; Pederson, Cynthia; Lubinski, John; Holian, Brian; Leeds, Eric; Lew, David; Lorson, Raymond; Mamish, Nader
Subject: Deployment to Japan

Thank you for volunteering for deployment to Japan. This work is of highest priority for the agency and your efforts are enormously appreciated.

The plan is for Mike Scott (RES) and Alan Blamey (RII) to leave the USA on Tuesday, March 22. The remaining team members, Jack Giessner (RIII), Rob Taylor (NRR), Todd Jackson (RI), Marie Miller (RI), Syed Ali (RES), Abdul Sheikh (NRR), Ralph Way (NSIR), and Jack Ramsey (OIP) will depart on or about March 24. The intent is that your stay will be two weeks or less, depending on how the situation in Japan evolves.

The Operations Center Liaison Team (LT) will be contacting you later today to handle the logistic for your trip. This includes items such as flights, passports, country clearances, health immunizations, international blackberry service, dosimetry and KI tablets.

In addition, HR has requested that I provide you the information below:

-Please contact NRC Health Services on Monday morning on 301-415-8400 to schedule an appointment with Dr. Cadoux for health screening and counseling. If at all possible, it is important that you meet with Dr. Cadoux face-to-face. However, if you are located in the Region or if you are notified and deployed in a very

short time frame so that medical screening is not possible, this screening will be conducted by phone. Please be aware that medical services available in Tokyo are limited at this time. Additionally, working conditions are such that controlling diet, sleep, exercise, and routine may be impossible. All of these factors can impact your health. Please review any medical conditions that you may have with Dr. Cadoux so that he can provide you with advice and counseling on managing your medical condition while deployed.

-Before you deploy we recommend that you speak briefly with the NRC Employee Assistance Program counselor, Sarah Linnerooth. Sarah can be reached on 301-415-7113. While you are deployed, EAP services are available to both you and your family, including extended family members such as Grandparents. The telephone number for EAP service is 1-800-896-0276. More information is available on the EAP on the web at www.eapconsultants.com. To learn more about the EAP and the services provided click on the member services tab. The NRC passcode is '(b)(6)'. Please be sure to share this information with your family.

At this point, I ask that you hold any questions that you may have until the LT contacts you directly. However, after that time, if you have any additional questions or concerns that have not been addressed, please call or email me.

Thank you.

Michele Evans
Acting Deputy OD, NSIR
Michele.evans@nrc.gov

BB

(b)(6)

Deployment of Second NRC Team to Japan as of March 19, 2011

Skill Set	Name/Office/Projected Deployment date
Executive level	Dan Dorman/NMSS/March 19
General Technical Knowledge/interpersonal skills travelling March 22	Mike Scott/RES/March 22 Alan Blamey/Region II/ March 22
General Technical Knowledge/interpersonal skills travelling March 24	Jack Giessner/Region III/March 24 Rob Taylor/NRR/March 24
Protective Measures/Dose Assessment	Todd Jackson/Region I/March 23 Marie Miller/Region I/March 24
Structural Engineering Expertise	Syed Ali/RES/March 24 Abdul Sheikh/NRR/March 24
Damage Assessment Expertise	Ralph Way/NSIR/March 24
Expertise in Infrared Images	No NRC staff identified with this expertise. We are pursuing NGA resources that could support in Japan.
International Programs Expertise	Jack Ramsey/OIP/March 24 TBD/TBD/March 24

From: LIA03 Hoc
Sent: Saturday, March 19, 2011 11:29 AM
To: Liaison Japan
Subject: FW: (b)(5) Pumping equipment for Japan now in Australia

FYI

From: CMS TaskForce1C - Coordinator [mailto:1TFC@state.gov] **On Behalf Of** zTask Force 1 Mailbox
Sent: Saturday, March 19, 2011 11:27 AM
To: Hyland, Jason P; Young, Joseph M; zTask Force 1 Mailbox; Campbell, Kurt M; Tong, Kurt W; Deming, Rust M; Loi, James L; Patel, Nirav S; Mace, Casey K; LIA02 Hoc; LIA03 Hoc; Johstone, Christopher D ASD OSD; (b)(6); rmt_pactsu@ofda.gov; Seiden, Maya D (b)(6); Bader, Jeffrey A.; (b)(6); (b)(6); Johnson, Daniel H.; Duncan, Shawn H.
Cc: Zumwalt, James P; Woodward, Aleisha; Luke, Robert S; Marut, Christopher J; Bleich, Jeffrey L; Donovan, Joseph R; Stockton, Richard C; Yang, Forest; EAP-J-Office-DL
Subject: RE: (b)(5) Pumping equipment for Japan now in Australia

(b)(5)

Jason, Aleisha – please let our Australian colleagues know that we remain grateful for their assistance and appreciate what they did when this was an operational priority.

Simon Schuchat
Coordinator, Japan TF-1

From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Saturday, March 19, 2011 9:39 AM
To: Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Nakanishi, Tony; Ulses, Anthony
Subject: FW: 1800 Amb Roos-PM visit

Forwarding as requested.

Please note question from MOFA asking to clarify need for "assistance in transportation of goods."

Thanks.

This email is UNCLASSIFIED.

From: Kambara, Ann M **On Behalf Of** JapanEmbassy, TaskForce
Sent: Saturday, March 19, 2011 9:28 PM
To: Cherry, Ronald C; Duncan, Aleshia D
Cc: Tong, Kurt W; Zumwalt, James P
Subject: FW: 1800 Amb Roos-PM visit

Pls pass to NRC group thx

This email is UNCLASSIFIED.

From: Spurlock, Kenneth R (TDY/MDAO)
Sent: Saturday, March 19, 2011 9:10 PM
To: JapanEmbassy, TaskForce
Subject: 1800 Amb Roos-PM visit

I received a call from Hideaki Konagaya (hideaki.konagaya@mofa.go.jp) North American Div, regarding this afternoon's meeting. According to Mr. Konagaya, the Ambassador asked for "... assistance in the transportation of goods..." Mr. Konagaya's question is asking if there is anything specific that the Ambassador had in mind or needs to be addressed?

Mr Konagaya's phone number is 03-5501-8276

Ken Spurlock
Captain, US Navy
Director, Navy Surface Programs
US Embassy, Tokyo
Embassy Task Force DSN 224-5541
03-3224-5541

This email is UNCLASSIFIED.

From: RMTPACTSU_PRO <RMTPACTSU_PRO@ofda.gov>
Sent: Saturday, March 19, 2011 9:23 AM
To: RMT_PACTSU; DART_PACTSU
Subject: Yes, again. TPs on Japan HA
Attachments: 110318 0915 EDT Japan EQ Talking Points.doc

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: RMTPACTSU_PRO <RMTPACTSU_PRO@ofda.gov>
Sent: Saturday, March 19, 2011 9:11 AM
To: RMT_PACTSU; DART_PACTSU
Subject: RE-UPDATED: Japan EQ Press Guidance
Attachments: 110318 0905 EDT Japan EQ Press Guidance.doc

Importance: High

Re-updated to

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: Brown, Courtney <cobrown@ofda.gov>
Sent: Saturday, March 19, 2011 9:05 AM
To: RMTFACTSU_PRO; RMT_PACTSU; DART_PACTSU
Subject: Re: UPDATED: Japan EQ Press Guidance

(b)(5)

From: RMTFACTSU_PRO
To: RMT_PACTSU; DART_PACTSU
Sent: Sat Mar 19 08:56:05 2011
Subject: UPDATED: Japan EQ Press Guidance
Includes USAR Demob info.

(b)(5)

(b)(5)

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Saturday, March 19, 2011 9:01 AM
To: DART_PACTSU; RMTPACTSU_DMO; RMTPACTSU_DMP; RMTPACTSU_INC;
RMTPACTSU_PRO; RMTPACTSU_RM
Subject: 03.19.11 - USAID/DART Japan Earthquake and Tsunami Field Notes #8
Attachments: 03.19.11 - USAID-DART Japan Field Notes #8.doc

-- U.S. Government Only --

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USAID/DART Japan Earthquake and Tsunami Field Notes #8

03.19.11

(b)(5)

(b)(5)

(b)(5)

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

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~~— U.S. Government Only —~~

~~*Please Note: This is for information purposes only. Please do not distribute outside of
the RMT or DART.*~~

**USAID/DART Japan Earthquake and Tsunami Field Notes #8
03.19.11**

(b)(5)

(b)(5)

~~— Internal OFDA Use Only — Do Not Distribute —~~

(b)(5)

From: RMTPACTSU_PRO <RMTPACTSU_PRO@ofda.gov>
Sent: Saturday, March 19, 2011 8:56 AM
To: RMT_PACTSU; DART_PACTSU
Subject: UPDATED: Japan EQ Press Guidance
Attachments: 110318 0900 EDT Japan EQ Press Guidance.doc

(b)(5)

(b)(5)

(b)(5)

(b)(5)

From: Casto, Chuck
Sent: Saturday, March 19, 2011 8:44 AM
To: Wiggins, Jim; Monninger, John
Cc: Virgilio, Martin; ET02 Hoc
Subject: Re: INDUSTRY-GOVT CONSORTIUM TO SUPPRT JAPAN

(b)(5)

Casto

From: Wiggins, Jim
To: Casto, Chuck; Monninger, John
Cc: Virgilio, Martin; ET02 Hoc
Sent: Sat Mar 19 08:32:22 2011
Subject: FW: INDUSTRY-GOVT CONSORTIUM TO SUPPRT JAPAN

(b)(5)

From: Wiggins, Jim
Sent: Saturday, March 19, 2011 7:49 AM
To: Wiggins, Jim
Subject: FW: INDUSTRY-GOVT CONSORTIUM TO SUPPRT JAPAN

From: LIA08 Hoc
Sent: Saturday, March 19, 2011 5:04 AM
To: Wiggins, Jim; Leeds, Eric; Sheron, Brian; Miller, Charles; Borchardt, Bill; Brenner, Eliot; Schmidt, Rebecca; Casto, Chuck; Burns, Stephen; Doane, Margaret; Muessle, Mary; Batkin, Joshua; Weber, Michael; Coggins, Angela; Anderson, James; Monninger, John; Smith, Brooke
Cc: Virgilio, Martin; LIA08 Hoc; HOO Hoc
Subject: Action: Call will be held on Saturday, March 19th at 7:45am

Good Morning Everyone,

Please be advised that this email is being sent to provide you with advanced notice of a 7:45am call where the agenda for a 2:00pm meeting with industry will be discussed. In addition, you will be requested to provide a representative from your organization to support a 2:00pm meeting with industry. Meeting purpose and objective are provided below.

Please call the HQ Operations Officer at 301-816-5100 and ask to be transferred to the ET bridge line to join the 7:45am conference call.

Thank you

Meeting Agenda

Purpose: Plan for and initiate a US government and industry consortium to support the Japanese in terminating the Fukushima reactor accident.

Objective: Align on an approach for addressing the technical, logistical, and political issues

Process:

- NRC Site Team brief on current status of the Fukushima site and on the relationship between various Japanese government and private sector organizations with an emphasis on roles, responsibilities and decision making authorities
- GE-H/Bechtel brief on current status of their operations
- INPO facilitated discussion of industry representatives on capabilities that can be brought to bear in the near term
- Open discussion on viable actions, strategies and priorities for terminating the event and gaining control over the situation
- Open discussion on challenges that need to be addressed
- Open discussion on roles and responsibilities, charter, and governance structure for the consortium and other members

2pm Meeting Participants:

Bill Webster, INPO
Randy Tropasso, INPO
Peter Orphanos, Exelon
Jerald Head, GE
Dr. Rosa Yang, EPRI (Sunday)
Mike Hughes, Bechtel
Joe Zwetolitz, AREVA
Dave Richardson, Babcock (Sunday)
Tom Vavoso, NR
Pete Lyons, DOE
OEDO, RES, NRR, NSIR, OPA, OGC, NRC Site Team, NRC, OIP, FSME, OCA, COMM

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Saturday, March 19, 2011 8:39 AM
To: DART_PACTSU; RMT_PACTSU
Subject: Japan News: What are aid workers doing after the Japan quake?

What are aid workers doing after the Japan quake?

18 Mar 2011 22:02

<http://www.trust.org/alertnet/news/what-are-aid-workers-doing-after-the-japan-quake/>

LONDON (AlertNet) - Despite the high death toll and shocking devastation caused by last week's quake and tsunami, aid workers are not pouring into Japan.

By and large Japan, as one of the most developed countries, has the capacity to respond and it has only accepted international support in a few specific areas, such as search-and-rescue teams, medical help and nuclear specialists.

About a dozen international aid agencies are offering help in the northeast of the country. Most are focusing on getting to especially remote areas or on providing specialist help to the elderly or children.

At least 6,539 people are confirmed dead, more than 10,000 are missing and over 410,000 people are in shelters. The disaster is unusual in that a disproportionate number of the displaced are elderly.

Here is what some of the agencies are doing:

The Japanese Red Cross <<http://www.jrc.or.jp/english/index.html>> has had 171 teams on the ground since the disaster, 48 of which are still active. They are helping treat injuries, illnesses and provide psychosocial support. A Red Cross psychosocial team is also based at Ishinomaki Hospital in Miyagi Prefecture where a lot of the bodies have been taken. Red Cross doctors are seeing an increase in influenza and diarrhoeal diseases among the displaced communities and cases of hypothermia and pneumonia among people who have survived long periods in water. Most injuries were caused by the tsunami rather than the quake so there are not as many horrifying crush injuries as doctors commonly see in quakes. Like other aid agencies, the Red Cross says a severe fuel shortage is hampering its ability to get supplies to survivors. The organisation has also delivered 92,000 blankets. The International Federation of Red Cross Societies <<http://www.ifrc.org/>> has sent an assessment team to Japan and is discussing with the local Red Cross in what ways it might help.

Medecins Sans Frontieres <<http://www.msf.org/>> (MSF) has 50 staff in Japan, compared to 5000 deployed after the Haiti quake. Twelve staff are in the field running mobile clinics and assessments in Miyagi. It says a major problem is that elderly people with chronic diseases have had their treatment interrupted after losing their homes. One MSF doctor estimated as many as 200,000 elderly survivors needed medication for diabetes or hypertension. MSF is helping to locate them before their conditions become acute. Some elderly are also dangerously dehydrated. And the extreme cold has triggered cases of hypothermia. But MSF says there are working hospitals in the disaster zone, with doctors and medication.

Save the Children <<http://www.savethechildren.org.uk/>> has launched a £1 million (\$1.62 mln) appeal to help children affected by the quake and tsunami. It is setting up child-friendly spaces with teachers to provide a protective environment where children can play with each other. The service also enables parents to spend time finding food, work and accommodation and locate family and friends. The agency will deliver psychosocial support as well.

Plan International <<http://plan-international.org/>> is focusing on providing child care and protection programmes through Japanese partner NGOs and local authorities in the northeast Sendai region. It is providing clothing, heating equipment, water and sanitation, food, healthcare and is supporting community kitchens. It is also providing child-friendly spaces. The first stage of the response is expected to last three months with a 15-month recovery programme which will provide what it calls "emotional first-aid" for children and get them back into school.

World Vision <<http://www.worldvision.org/#/home/main/quake-tsunami-devastate-japan-1-1360>> is distributing blankets, bottled water and hygiene supplies in Minami Sanriku, one of the worst affected towns in Miyagi where temperatures are below freezing. The agency says many evacuation sites do not have enough food or blankets. "We are now facing the most tragic (natural) disaster in our country's history," said Kenjiro Ban, World Vision's emergency affairs manager in Japan. "I've served on disaster response programmes in Kenya, Sudan, India, Pakistan, Myanmar, and Haiti, and the needs I'm seeing in my own country are as bad as anything I've seen globally."

Malteser International <<http://www.malteser-international.org/en/home/home.html>> is supporting a children's home in the town of Ichinoseki in Iwate prefecture which was badly damaged in the quake. The home's director, Caelina Mauer, said: "The younger children are trembling with fear with every aftershock, they are crying and hiding themselves ... There is not enough fuel oil so that the children have to freeze at night when the temperature drops to below zero." The government has asked the school to take in orphans and other children made homeless by the quake.

MercyCorps <<http://www.mercycorps.org/>> is working with its local partner Peace Winds Japan <<http://www.peacewinds.org/en/>> (PWJ) which is delivering large emergency shelters known as balloon shelters, tents, blankets, instant rice and fresh produce to families evacuated from homes in the tsunami-devastated city of Kesennuma in Miyagi. PWJ has also set up satellite telephone services and mobile phone charging services to help survivors contact family members. Heavy winds in the area have created problems in setting up the balloon shelters.

CARE <<http://www.care.org/>> is sending a convoy of vehicles packed with relief items to Iwate. It will distribute toilet paper, water, face masks, sanitary tissues, biscuits, fruit and rice. It plans to help in the region for the next 12 to 18 months.

The United Nations' World Food Programme <<http://www.wfp.org/>> (WFP) is helping transport 60,000 blankets to the disaster zone. It is also sending logistics experts to help Japan deliver relief items swiftly.

The U.N.'s International Telecommunication Union <http://www.itu.int/net/pressoffice/press_releases/2011/06.aspx> (ITU) says it has dispatched emergency telephone equipment to the region, including satellite phones with GPS devices. Some 37 broadband global area network terminals have been sent and more are on the way.

Map Action <<http://www.mapaction.org/>> has put together a detailed map <[http://www.reliefweb.int/rw/fullmaps_sa.nsf/luFullMap/F630289565041CDF852578570053EDD4/\\$File/map.pdf?OpenElement](http://www.reliefweb.int/rw/fullmaps_sa.nsf/luFullMap/F630289565041CDF852578570053EDD4/$File/map.pdf?OpenElement)> showing the numbers of dead, missing injured and evacuated in each affected province.

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Saturday, March 19, 2011 8:30 AM
To: DART_PACTSU
Cc: RMTPACTSU_INC
Subject: 2000 Mar 19 - Running Update on Japan Emergency (running file attached)
Attachments: 2011-03-19 running updates on Japan emergency with times 2000 - Mar 19.docx

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19:53 March 19, 2011 Saturday (Boron arrival): A shipment of several thousand pounds of boron arrived at Yokota Air Base on March 18 at 2100. The chemical will be available to the Japanese for mixing with seawater and injection into Fukushima cooling ponds. USFJ confirmed that a representative from TEPCO was onsite during on the evening of March 18 to review the boron received and found no issues. USFJ reports that boron has been transported to Hyakuri AB and is waiting ground transportation.

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SBU

This email is UNCLASSIFIED.

20:00

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18:00

18:10 March 19, 2011 Saturday: (Embassy Security Engineering Officer update): Radiological data measured at Embassy and Mitsui Housing Compound indicates background radiation only. Meeting with DOE, NRC, and Embassy Front Office reviewed existing data and confirmed estimates of possible release scenarios. Met with NRC and DOE about mechanisms to monitor real time events at the Fukushima Daiichi nuclear power plant. Political Section Katherine Dudley assisting DOE with MOFA issues regarding data collection flights and ground monitoring activities.

17:55 March 19, 2011 Saturday (No restrictions on air travel to Japan): The International Air Transport Association (IATA) issued a press release saying there were no restrictions on air travel to Japan. "Safety is our number one priority. If it is not safe, we won't fly. Today's joint statement by the five most authoritative United Nations (UN) organizations on air transport, nuclear energy, shipping, health and weather confirms that it is safe to operate in Japan," said Giovanni Bisignani, IATA's Director General and CEO.

17:35 March 19, 2011 Saturday (Update on base facilities): As of 16:00 on Friday, 18 Mar 2011 the New Sanno lodging operation is back to normal operating hours until further notice, but the bank, post office, NEX and several other services (including some food and beverage services) are suspended. The Yokosuka NEX, Yokota Air Base Commissary and BX, and Hardy Barracks gas station/mini-mart are all operating as usual—though Hardy Barracks is only allowing drivers to purchase 5 gallons at a time.

17:32 March 19, 2011 Saturday (GW Departure from Yokosuka): Embassy PAS was to work with CNFJ on press guidance for the possibility that the USS George Washington will pull out of port. Apparently, the Fukushima emissions are causing irregular readings in the GW's radiological measuring instruments, making it difficult to tell whether the GW itself might have a problem. Information regarding the GW potential departure was passed to MOFA, and Yokosuka city officials. CNFJ has providing the following PAG on the GW for use on an if-asked basis only is: "All 7th Fleet ships, including USS George Washington which is currently conducting maintenance in Yokosuka, are increasing their readiness posture in order to be prepared to conduct any tasking ordered. This includes the recall of personnel and the cancellation of leave. No decision has been made to get USS George Washington underway."

17:27 March 19, 2011 Saturday (Residents screened for radiation): Mainichi Online reports at 16:25 that as of March 17, 42,440 Fukushima citizens were screened for radiation and 67 were found to have radioactive substance on their shoes or clothes. However, none registered a radiation level considered to be harmful to health. Screening was done at 13 locations in 11 towns and cities using mobile screening trucks.

17:05 March 19, 2011 Saturday (UK distributed iodine tablets): The Embassy understands that the UK "privately" distributed iodine tablets to UK citizens in Sendai, as they loaded a chartered bus to Tokyo. We do not know if the UK will update the government travel warning to include use of the tablets.

16:51 March 19, 2011 Saturday (Press conference by Chief Cabinet Secretary Edano): NHK carried a live broadcast of a press conference by Chief Cabinet Secretary Edano from 16:07. Edano said that the situation at Reactors Nos. 1-3 has stabilized but the situation is still fluid, that concern now is focused on the cooling of storage pools of spent nuclear fuel, and that water spraying at Reactor No. 3 appears to have been successful. Edano also said that water spraying operations will continue at Reactors Nos. 3 and 4. With the reintroduction of electricity power from outside, it will be possible to restore the reactors' cooling and monitoring functions. He added that more permanent measures for cooling reactors are being considered. Chief Cabinet Secretary Edano also expounded on earlier comments made by the health ministry about agricultural products tainted with radiation. Milk from a farm in Fukushima more than 30km from Fukushima Daiichi Nuclear Plant was yesterday found to contain radiation over the limit set by the food safety law. Seven samples of spinach in Ibaraki are also found to have radiation levels above the food safety limit. Edano stressed that these radiation levels are not expected to pose any immediate health hazards, and that the government is doing its best to monitor other food products and preventing any health hazards.

16:45 March 19, 2011 Saturday (Ministry of Health confirms trace radiation in milk, spinach): Yomiuri reported that Senior Vice Minister of Health Otsuka stated this afternoon that some spinach and milk were found to contain radiation levels higher than the limit in the food safety law. He did not provide further details.

16:35 March 19, 2011 Saturday (Casualty update): The National Police Agency reports that the official death count from the earthquake and tsunami now stands at 7197, with 2611 injured and 10,905 still missing.

16:30 March 19, 2011 Saturday (NHK temporarily returns to regularly scheduled programming): Fans of NHK soap operas got a temporary fix for the first time in a week, as the national broadcaster mostly returned to regularly scheduled programming for three hours on Saturday afternoon. However at 15:30, NHK reverted back to coverage of the ongoing nuclear crisis, including live press conferences by Defense Minister Kitazawa and Chief Cabinet Secretary.

16:30 March 19, 2011 Saturday (Roos-Fukuyama telcon): Ambassador Roos spoke on the phone with Deputy Chief Cabinet Secretary (DCCS) Tetsuro Fukuyama today at 1600. Fukuyama thanked the USG and USFJ for their help, in particular fire trucks and nuclear specialists. The two meetings today (0700 and 1030) between U.S. and Japanese nuclear experts were good, resulting in good advice that we will follow up on. Mass media is saying communication between the USG and GOJ is bad, but that's not true. There has been steady progress today on water injection at the nuclear power plant, and we have regained power supply. People are risking their lives to do all they can. Result of radiation monitoring is that things are generally stable but there was one point where the reading was high; there was also a high reading in milk. The next issue is to cope with is the possible contamination of food, which is not yet a major issue that we'd like to nip in the bud. We are working off of a worst case scenario. PM Kan would like to speak to you. [Note: AMB Office working on arranging this. End note.]

16:00

15:55 March 19, 2011 Saturday (DM press conference): Defense Minister Kitazawa held a press conference, which NHK broadcasted live starting at 15:38, in which he revealed that 100,600 Self Defense Force (SDF) members were deployed today, in addition to 321 SDF helicopters and 57 ships, to conduct quake relief operations. DM Kitazawa also noted that SDF helicopters took surface temperatures of Reactors No. 1-4 at 05:45 this morning with infrared rays. While accurate figures will have to await further analysis, the initial findings show that the surface temperature reading at all four reactors was below 100 degrees C. The SDF will conduct another round of temperature surveys tomorrow morning.

15:50 March 19, 2011 Saturday (Radiation readings from NISA): Sankei Online reports at 10:36 that Japan's Nuclear and Industrial Safety Agency (NISA) announced that as of 06:30, the radiation level at the west gate of Fukushima Daiichi Nuclear Plant (1.1 kms from Reactor No. 2) was 292.3 microsieverts per hour. The figure at 23:20 on the previous night before the Tokyo Fire Department's water spraying operations was 368.9 microsieverts. The figure for a site 500 meters from Reactor No. 2 dropped from 3,219 microsieverts per hour at 00:20, before water spraying, to 3,181 microsieverts per hour at 01:50. NISA said that while the drop in radiation level may not entirely be due to the water spraying, the spraying operations "certainly had a positive effect." The Tokyo Fire Department's Fire & Rescue Task Force sprayed about 120 tons of water into Reactor No. 3 between 00:30 to 01:10.

15:45 March 19, 2011 Saturday (Cooling system partially restored): Sankei reported that TEPCO announced this morning that the water circulation function was restored at the Fukushima Daiichi Nuclear Plant's Reactor No. 5 spent fuel storage pool, making it possible to prevent the rise of temperature and drop of water level in the pool. In addition, two diesel engines are now running at Reactor No. 6.

15:30 March 19, 2011 Saturday (Liquefied natural gas plant damaged): NHK reports that the Sendai City Gas Plant in Miyagino-ku, capable of producing enough liquefied natural gas (LNG) to supply 360,000 households, was severely damaged by the earthquake and tsunami. Gas pipelines and power lines were also damaged. Officials estimate the plant will not be able to resume operation for "at least several months."

15:00

14:23 March 19, 2011 Saturday NHK (TFD spraying water on reactor) NHK reported in a subtitle that a water cannon truck of Tokyo Fire Department started spraying water to the No. 3 reactor.

13:50 March 19, 2011 Saturday NHK (NISA says radiation levels in Namie-Cho relatively high) NISA reports that radiation levels in Namie-Cho that is located 30 km away from the Fukushima Daiichi are relatively high at 140 micro sieverts as of yesterday. According to NISA, the level would not cause harm to human bodies immediately, but the situation should be watched. The residents in this town have voluntarily evacuated.

13:50 March 19, 2011 Saturday NHK (Damage) A gas factory of Sendai Gas Authorities has been destroyed by the earthquake and they have not been able to provide gas to about 360,000 households. The authorities said that it would be very difficult or impossible to restore gas service in one month.

13:32 March 19, 2012 Nikkei online (Japan, Korea and China to hold FM Meeting) Japan, China and Korea will hold a Foreign ministerial meeting in Kyoto in the afternoon of the 19th. FM Matsumoto conveyed the gratitude for the assistance provided by the two countries, and explain them the future relief effort plan. The three countries will discuss future cooperation in disaster prevention and the safety of nuclear facilities including North Korea issues. This is the first time Foreign Minister Matsumoto is meeting his counterpart. Prior to the meeting, Minister Matsumoto will hold a bilateral meeting with each counterpart.

13:36 March 19, 2011 Sankei online (TEPCO putting holes in roofs of reactor buildings) TEPCO announced on 19th that they made three holes on the roof of each buildings of reactor #5 and #6 of Fukushima Daiichi. the hole is 3 to 7.5 cm in diameter. TEPCO decided this will prevent the hydrogen explosion in case hydrogen develops in those buildings.

1300 March 19, 2011 Saturday Mainichi Online (Shimane Prefecture to provide aid to evacuated families) Shimane prefecture has announced that the prefecture will provide evacuees from the disaster area to Shimane living expensis of 300,000 yen per household. The single-person household will receive the half the amount. According to the prefecture, they have 675 public houses available for those evacuees. the prefecture is considering to provide the fund to those people who will be evacuating into those housing. The payment method is still under the discussion.

12:58 March 19, 2011 Saturday NHK Online (TEPCO Cooling reactors) In order to cool reactor #3 of Fukushima Daiichi, Tokyo Fire Department will start discharging seawater at 1:30 pm. The plan is to create a new system to pump seawater from a distance, sending the water to unmanned water cannon trucks for a duration of 7 hours. Follow-up: The 7-hour continuing water spray will be done by an unmanned water cannon truck.

12:58 March 19, 2011 NHK Online (Fukushima Prefecture will move evacuees within 30 km of plant)

According to Fukushima prefecture, they are going to evacuate people from a part of evacuees under the shelter within the 30 km radius who are interested. Due to the lack of goods, the prefecture has decided the mass evacuation. 400 from Minamisoma-city and 270 from Iitate village are going to evacuate by busses. The total number of evacuees under the shelter within the 30km is estimated around 136,000. Some have already voluntarily evacuated. In case more people want to evacuate, the municipalities will consider next measures.

12:34 NHK Online (USFK delivering medicine to devastated prefectures)

The Japan Doctors Association in cooperation with the pharmaceutical companies, sent 10 tons of medicines for diabetes, high blood pressure and other diseases. On the morning of the 19th the medicine was loaded on trucks and with the help of US Forces Japan the medicine will be shipped to evacuation sites in Miyagi, Iwate and Fukushima prefecture by airlift.

12:00

11:00 March 19, 2011 NHK (NHK news reports NISA's press conference this morning.)

NISA said that the Tokyo Fire Department is planning to spray water to No. 3 reactor and JSDF may spray water to No. 4 reactor from the ground this afternoon. The Tokyo Fire Department's water spraying is scheduled after 1:30 pm. According to NISA, TEPCO said that electricity supply to No. 1, 2, 5 and 6 reactors may be able to start sometime today. TEPCO is making efforts to start supplying electricity to No. 3 and 4 reactors tomorrow. The diesel generator of No. 6 reactor is operational now and can supply electricity to the cooling pump of No. 5 reactor. Connecting cables to No. 1 and 2 reactors to outside power sources will be completed today.

11:28 March 19, 2011 Saturday Jiji Press (Kansai governors offer assistance to Tohoku governors)

Governor Ido of Hyogo prefecture visited Governor Murai of Miyagi this morning. Governor Ido handed the information collected during recovery of the Great Hanshin earthquake to Governor Murai. Ido also proposed Murai that the group of 7 prefectures in the Kansai area work together to accept evacuees from quake affected areas. So far Hyogo and Osaka will accept about 10,000 each. Tottori will accept 2,000, the other prefectures are now discussing their plans as well.

11:11 March 19, 2011 Asahi.com (Tepco expects some power to be restored today)

It is expected that the power transmission line will be fixed today, and the power to reactor #1, 2, 5, and 6 will be recovered. For reactor #3 and 4, the power transmission will be recovered by the 20th.

10:49 March 19, 2011 Kyodo (Rescued man identified)

The name of the rescued man is Mr. Katsuharu Moriya in his 20s.

10:36 March 19 Saturday NHK online

(TEPCO continues to get water to reactors) TEPCO is closely watching the level of radiation now, because after the SDF's water discharge followed by the Tokyo Fire Department's discharge of water onto the spent fuel pool of reactor #3, the radiation level around the facility has risen a little. The spent fuel pool in reactor #3, #4 cannot be cooled, and it is possible that the water in the pool will evaporate, the fuel will melt, and the radioactive material will leak outside. Thus 13 fire trucks discharged water for one hour around midnight. According to TEPCO, the

radiation level 500 meters North West from #3 reactor was 3219 microSV/h before the discharge of water at 0:20, but increased to 3279 microSv/h at 1:20 am.

10:36 March 19 Saturday NHK online (Diesel generator at reactor #6 resumed) TEPCO announced that the operation of the emergency diesel power generator for reactor #6 has been resumed. Using this power generator the function of sending water to spent fuel pool has been fixed.

10:25 March 19 NHK online (Rescued man young, debilitated) At around 9:00 am a man was rescued from a collapsed house in southern Kisenuma, about 1 km west from Kuranai Station of JR Kisenuma line. He is a young man, with no apparent injuries, but he is debilitated and cannot speak.

10:25 March 19 NHK online (Casualties now top 18,000) According to NPA, so far 7197 are confirmed dead, and 10,905 reported missing to the police (10,905) totaling over 18,000. Prefecture by prefecture breakdown follows:

Miyagi police: 4289 confirmed dead, missing 2252
Iwate police: 2233 confirmed dead, missing 4253
Fukushima police: 619 dead confirmed, 4396 missing
Aomori: 3 dead
Yamagata 1 dead
Hokkaido 1 dead
Ibaraki 19 dead
Chiba 16 dead
Tokyo 7 dead
Tochigi 4 dead
Kanagawa 4 dead
Gunma 1 dead

10:18 March 19 Saturday Reuters (Construction of temporary shelters has begun) The construction of temporary housing started on the 19th in Rikuzentakada, Iwate prefecture. The search for missing and the recovery of bodies will continue but the focus of activities is shifting now to life support efforts. There will be 200 temporary houses on the Takada Daiichi Junior High School grounds. Temporary houses are 30 square meters, 2 bedrooms with dining kitchen for two or three occupants. The plan is to build up to 8,800 similar houses in Iwate prefecture.

10:13 March 19, 2011 Yomiuri online (Russian President Medvedev) Russian President Medvedev noted at a Security Conference on the 18th that the country should consider accepting evacuees from the Japan Great Earthquake, and to provide support for employment in Siberia and Russian Far East. President Medvedev said that they are prepared to provide humanitarian relief such as water, food and medicine, and "it is necessary to consider accepting children, injured and others who need mental support to Russian Rest and Recreation facilities. He said, if necessary, we should consider using Japanese potential labor in Siberia and Russian Far East where labor is in short supply."

8:35 March 19, 2011 Saturday NHK (New 5.6 earthquake shakes Iwate Prefecture at 8:33) NHK aired at 8:35 breaking news on an M-5.6 earthquake that hit the Tohoku region at 8:33. The quake's epicenter was off the coast of Iwate and it registered 4 inland Iwate and elsewhere in the prefecture, and 3 in Miyagi and Aomori.

10:00

09:45 March 19, 2011 Saturday (Live victim rescued more than one week after disaster): Self Defense Forces HQ reported that a male victim was rescued alive from a destroyed house in the southern part of Kisennuma Miyagi prefecture March 19 around 9 am. The man was transferred to a hospital in Kisennuma city.

09:38 March 19, 2011 Saturday NHK online (Fukushima evacuees to be moved to Saitama) Saitama prefecture will accept about 1,800 people from Futaba-cho Fukushima prefecture to the Saitama Super Arena. Futaba-cho is located within the 20 km radius of the Fukushima Daiichi, and the population of 6,900 are to be evacuated. 40 buses will bring the 1,800 evacuees to Saitama Arena in the afternoon on the 19th. The Saitama Super Arena can accept up to 5,000 people. According to Saitama prefecture, as of 20:00 on the 18th, the number of evacuees are 799.

09:33 March 19, 2011 Saturday Jiji.com (PM seeks to expand cabinet, include opposition) PM Naoto Kan on the 19th, decided to urge opposition parties to participate in cabinet in order to enhance the efforts on East Japan Great Earthquake. He is thinking to revise the Cabinet Act to increase the number of ministers from the current 17 to 20. PM Kan will discuss with former DPJ presidents including Ichiro Ozawa to seek their understanding.

09:04 March 19, 2011 Saturday Sankei online (Radiation measurement by SDF helicopter) In early morning of the 19th, MOD sent a large SDF helicopter CH471 over Fukushima Daiichi nuclear power plant in order to measure the temperatures of reactors and the spent fuel pool by using infrared light from the air.

09:04 March 19, 2011 Saturday NHK online (Tokyo Fire Department to begin watering reactor) MOD high ranking official said in an NHK interview that after TEPCO is done with facilitating the power line to Fukushima Daiichi this morning, the Tokyo Fire Department will start watering the #3 reactor from ground after 1200 noon, and the SDF will water Reactor #4 from Ground.

08:45 March 19, 2011 Saturday (National Police Agency) Officials now report that the number of people evacuated prefecture by prefecture in Tohoku as of 2300 March 18 were as follows:

Aomori: 12 evacuation sites 367 people

Iwate: over 332 evacuation sites 49,454

Miyagi: 1,096 evacuation sites 187,719

Yamagata: 45 evacuation sites 3,440 (from Fukushima and Miyagi)

Ibaraki: 168 evacuation sites 4,871 (including from Fukushima)

Tochigi: 30 evacuation sites 1,028

Niigata: 53 evacuation sites 8,195 (from Fukushima)

06:14 March 19, 2011 Saturday NHK online (Severe cold across Tohoku) The morning of the 19th was another severely cold morning. According to the Meteorological Agency, starting in the evening of the 20, the weather will deteriorate, and heavy rain is expected. As of 5:00 am on Saturday, 1.8 degree below freezing in Iwate prefecture, 0.7 degree below freezing in Miyagi prefecture, 0.3 below zero in Fukushima prefecture were recorded.

06:52 March 19, 2011 Saturday: TEPCO announces connection to outside power lines complete. TEPCO posted on its Japanese language website a statement that it completed construction of a temporary substation to bring in power from the main power grid to the Fukushima Daiichi power plant. The statement said that TEPCO is now working on connecting this substation to the building around Reactor #2. It is not known whether the cooling pumps will function once connected to power.

06:00

05:55 March 19, 2011 Saturday (Mainichi: Japan cautious about allowing media access to TEPCO plant footage taken by U.S. drone): This morning's Mainichi reported that the GOJ is reluctant about allowing public access to aerial footage of the troubled-ridden TEPCO Fukushima nuclear station taken by Guam-based Global Hawk UAVs, even though the U.S. military has effectively said it would not raise objection to the opening of such images. The daily added that U.S. nuclear experts have examined the footage very closely at Andersen AFB on Guam.

05:43 March 19, 2011 Saturday (Yomiuri: U.S.-Japan disaster relief cooperation rapidly expanding): This morning's Yomiuri reported on enhanced coordination between the U.S. military and the SDF regarding ongoing disaster relief operations, spotlighting Okinawa-based Marines' efforts to reconstruct the Sendai Airport, which was flooded with debris by the tsunami. A military affairs analyst said this specific operation is quite effective, as the airport is now able to host aircraft carrying a large volume of relief supplies. Pointing out that several U.S. warships, including the USS Essex, have engaged in joint relief missions at various parts of the Tohoku region, the daily said these U.S. deployment plans remind of a scenario regarding bilateral defense coordination in the event of a contingency on the Korean Peninsula.

05:17 March 19, 2011 Saturday (WTO says radiation risk low outside of "off limits" area): NHK-TV reported at 3:14 on a press briefing on Friday by a WHO spokesman, who said that health risk from radiation from the crippled nuclear reactors at the Fukushima plant is low in areas outside of the GOJ-designated "off-limits" zone. The official reportedly said the current situation in Fukushima does not warrant the WHO issuing an advisory calling for people to leave Japan or against visiting Japan. On radiation inspections undertaken by several foreign governments of Japanese food imports, the WHO spokesman said there are no possibilities that imports from Japan are contaminated with radiation, given that foods were apparently not shipped out of the areas near the Fukushima nuclear station after the earthquake.

04:58 March 19, 2011 Saturday (Update on fuel situation): METI/ANRE's Oil and Gas Division's Director Hirai told EMIN on March 18 that the fuel situation should start getting better this weekend and through the coming week as two big refineries resume operations and 300 fuel trucks start deliveries in the disaster zone. Hirai passed us a list with the names and contact points of hundreds of gas stations that have been designated to provide priority access to any delivery truck with the special emergency stickers. These stations will also be first to receive fuel deliveries as they become available. METI has shared this list with trucking associations, police, local governments, and fuel distributors. Hirai said the list hasn't been released publicly yet, but his office is ready to share it with the pharmaceutical associations whose members are using their own trucks for deliveries. Hirai's office can be reached at +81 3-3501-1817.

04:50 March 19, 2011 Saturday (TBS-TV: Showering operation to continue for months, MOD official predicts): TBS-TV reported at 23:40 on the view expressed by an unnamed senior Defense Ministry official that the seawater spraying operation at the TEPCO nuclear plant by SDF and firefighters is likely

to continue for at least next several months. Noting that only 140 tons of seawater has been dumped on the 3rd reactor until now but that the spent fuel pool at the site usually holds 1,400 tons of water, the official said the showering operation needs to be continued for at least months to cool the reactor itself, as well as the spent fuel pool.

04:23 March 19, 2011 Saturday (Ag Secretary Tom Vilsack statement on safety of imported food): "I know that there are many questions Americans might have about the terrible tragedies in Japan. I want to reassure the American public that at this time we have no reason to suggest that any of our meat, poultry, dairy, or processed egg products are unsafe for consumption due to the recent events in Japan. Our food imports from Japan are quite limited. What we do import must meet the safety standards of this country. We monitor and inspect imports to insure compliance with those standards. Should any risk with imports arise, we have procedures and processes in place to identify problems and deal with them. While we continue to offer aid and assistance to the Japanese we do not intend to lose sight of our core mission which is make sure our food remains safe, abundant, and affordable."

04:14 March 19, 2011 Saturday (Yomiuri: Tsunami turned out to be more fatal than earthquake): Yomiuri online reported at 3:04 on the finding by a Japanese forensic scientist that almost 90 percent of the victims he investigated in the quake-hit areas were apparently drowned, explaining that this contrasted to the Great Hanshin Earthquake, in which almost 80 percent of the victims were crushed to death under collapsed structures. The daily said the finding illustrated that the tsunami that followed the earthquake inflicted more serious damage than the quake itself.

04:00

04:00 March 19, 2011 Saturday (Yomiuri: Opposition leader rebuffs PM's offer for cabinet post): Yomiuri online reported at 3:06 that LDP President Tanigaki on Friday rejected an offer made by Prime Minister Kan that the top opposition leader assume a cabinet portfolio in charge of nuclear power accident issues. Tanigaki reportedly turned down the proposal on the ground that his acceptance would be tantamount to the formation of a "grand coalition" government with the ruling DPJ.

03:46 March 19, 2011 Saturday (Nikkei: Foreign manufacturers feeling the pinch from massive quake in Japan): Nikkei online reported at 2:41 that the aftershock of the Great Tohoku Earthquake is reverberating across the manufacturing industry abroad, highlighting a GM announcement on Thursday regarding the temporary shutdown of an assembly plant in Louisiana in the face of mounting difficulties in procuring auto components from Japan. Noting that a number of factories producing world-class industrial parts in the Tohoku area sustained heavy damage, the daily said the closure of those production lines, if continued, is bound to have adverse effects on the performance of major manufacturers abroad.

03:21 March 19, 2011 Saturday (Mainichi: G7 acts jointly to prevent the Japan quake from having adverse effects on world economy): Mainichi online reported at 1:32 that the G7 countries jointly intervened in the forex market on Friday in order to halt the yen's rise out of concern that the world economy would be hit hard if Japan's efforts to overcome the massive natural disaster were complicated as a result of its currency's appreciation. The daily said sympathy toward quake-hit Japan was a major driving force to prompt the G7 members to take a concerted action on the financial market for the first time in 10 years.

02:56 March 19, 2011 Saturday (Yomiuri: Foreign governments worry about GOJ response to nuclear accident): Yomiuri online reported at 1:32 that discontent is mounting within the international community at Japan's response to nuclear accidents at the TEPCO Fukushima plant, focusing on alleged U.S. frustration at Tokyo's failure to provide timely information on the status of each trouble-ridden nuclear reactor. The daily called the USG's evacuation advisory recommending American citizens to stay out of the 50-mile-radius of the nuclear station as "overreaction" on the part of Washington, which it argued was caused by the Obama administration's doubts about the Japanese government's competence in responding to the nuclear crisis. The article claimed that other foreign governments are apparently following the U.S. in advising their citizens to leave the area in the judgment that it would be safer to abide by U.S. recommendations than by Japanese advice.

02:17 March 19, 2011 Saturday (Asahi: U.S. accelerating moves to evacuate citizens out of Japan): Asahi online reported at 23:32 that the USG is rapidly moving toward pulling its citizens out of Japan, highlighting the revelation by DOS Under Secretary Kennedy on Thursday that some 100 dependents of U.S. diplomats flew to Taiwan from Tokyo on a chartered flight and that two additional chartered flights were planned on Friday. Kennedy also disclosed that a total of 14 large buses were arranged to evacuate as many as 600 Americans out of Sendai and nearby regions. DOD deputy spokesman Lapan, meanwhile, said that several thousand dependents of American service personnel would be airlifted out of Japan potentially on military planes. The daily also noted that passengers and cargo originating from Japan are currently subject to radiation inspections at port of entry in America, with U.S. customs authorities revealing that not-harmful levels of radiation had been detected on Japan-originating cargo at airports in Chicago and Seattle.

02:00

01:58 March 19, 2011 Saturday (Fuel rods at 4th reactor potentially most vulnerable to overheating): Asahi online reported at 23:31 on the TEPCO announcement concerning the status of pools storing nuclear fuel rods at the Fukushima No.1 power plant, saying that a total of 4,546 fuel rods are currently being stored at six reactor sites. Pointing out that the 4th reactor storage pool contains a total of 783 spent fuel rods, as well as another 548 unspent rods, the article said heat generation power at this reactor is by far the strongest among the six reactors.

01:40 March 19, 2011 Saturday (China refuses to unload cargo from Japan because of radiation fears): Asahi online reported at 1:01 that Chinese quarantine authorities at Dalian airport refused to unload Japanese cargo aboard an ANA flight on Wednesday on the ground that radiation at the aircraft's cargo compartment marked an abnormal level. The aircraft reportedly flew back to Japan without unloading the shipment. A Japanese aviation official noted that this kind of reaction to Japan-originated shipment on the part of foreign authorities is possible in view of the Fukushima nuclear accident and that the GOJ may take appropriate steps if a solid ground for such a refusal is not presented.

01:21 March 19, 2011 Saturday (Major U.S., European energy firms to send more oil, natural gas to Japan): Nikkei online reported at 0:43 that U.S. and European energy firms, including Chevron and Royal Dutch Shell, are set to increase oil and natural gas shipment to Japan in order to respond to an anticipated sharp increase in demand for thermal power generation fuel.

01:12 March 19, 2011 Saturday (U.S. too busy with relief operation in Japan to intervene in Libya): Nikkei online speculated at 0:40 that the Obama administration is hesitant about committing ground

troops in Libya, given that the U.S. military is currently preoccupied with the war on terror in Afghanistan and disaster-relief operations in Japan.

01:00 March 19, 2011 Saturday (Firefighters begin showering water on 3rd reactor after midnight): NHK online reported at 0:47 that a Tokyo Metropolitan Fire Department unit began showering seawater on the 3rd nuclear reactor at TEPCO Fukushima plant at about 0:30. The unit is expected to dump seawater onto the trouble-ridden reactor continuously for about 30 minutes.

00:44 March 19, 2011 Saturday (Tiny amount of radioactive material detected in California): Nikkei online reported at 0:22 on the revelation by a diplomatic source that a very tiny amount of radioactive material, apparently spewed from the TEPCO Fukushima plant, has been detected at a monitoring post in California.

00:37 March 19, 2011 Saturday (Japan FM to brief his China, ROK counterparts on nuclear accidents): Nikkei online reported at 23:20 on press remarks on Friday by Foreign Minister Matsumoto, who said that he will provide a briefing on the ongoing nuclear crisis at TEPCO Fukushima plant to his Chinese and South Korean counterparts during a tripartite foreign ministerial meeting to be held on Saturday in Kyoto.

00:13 March 19, 2011 Saturday (Some 120,000 houses damaged by quake, tsunami): NHK reported online at 23:51 on the announcement by the National Police Agency that across Japan, approximately 120,000 structures sustained damage from the March 11 earthquake and tsunami. At least 7,700 houses were completely destroyed, including 4,190 in Iwate and 2,413 in Fukushima Prefectures.

00:00

23:50 March 18, 2011 Friday (Very large areas flooded by tsunami): TBS online reported at 21:57 on the estimate provided by the Geographical Survey Institute that the total land area in the Tohoku region that was swept by the tsunami last Friday amounted to 400 square kilometers, or about 6.4 times bigger than the area inside Tokyo's JR Yamanote line. Satellite photo analysis showed that Ishinomaki City, Miyagi Prefecture was the worst in terms of total area flooded by the tsunami, at 40 square kilometers. The tsunami apparently reached areas of the city as far as approximately 8 kilometers away from the shoreline.

23:30 March 18, 2011 Friday (No rolling electricity shutdown on Saturday): Nikkei online reported at 22:23 that TEPCO decided not to enforce the scheduled power blackout for Saturday based on the assumption that electricity demand would be not so strong because businesses will be largely closed on weekend.

23:28 March 18, 2011 Friday (Sarkozy asks for info on Fukushima crisis): Nikkei online reported at 22:06 that PM Kan on Friday evening spoke by phone with French President Sarkozy, who asked many questions about the status of the nuclear crisis on Fukushima. The French leader also told Kan: "Please let me know whatever support you want us to provide."

23:17 March 18, 2011 Friday (Yomiuri: Foreign diplomatic corps "abandon" Tokyo): Yomiuri online reported on growing moves among foreign diplomatic corps based in Tokyo to evacuate their family members out of Japan and to move embassy functions to other parts of Japan. The USG chartered a commercial flight to evacuate some 100 Americans to Taiwan, while Pentagon has decided to assist the

voluntary evacuation of dependents of service members based in the mainland Japan. Meanwhile, Germany has moved its consular functions from Tokyo to Osaka, whereas the French Embassy has reduced the number of its diplomats working in Tokyo.

23:01 March 18, 2011 Friday (U.S. using Global Hawk UAVs and U2 planes to collect data): Kyodo summarized at 21:55 a NYT story that claimed that the Obama administration is mobilizing Global Hawk UAVs and U2 reconnaissance planes to collect data on the situation of the trouble-ridden Fukushima nuclear station, saying the move represents that Washington is considering the current situation as a security crisis and that it wants to analyze the status independently based on the judgment that the utility's initial failure to grasp the damage on the reactors has aggravated the situation.

22:25 March 18, 2011 Friday (PM to visit disaster areas): Jiji Press reports that according to Chief Cabinet Secretary Edano, coordination is underway for PM Kan to visit the areas devastated by earthquake/tsunami as soon as March 21.

22:18 March 18, 2011 Friday (Three police at plant exposed to 9x safe radiation limit): Sankei Online reported that the Tokyo Metropolitan Police Department revealed today that three members of its special task force assigned to spray water into Reactor No. 3 on March 17 were exposed to up to 9 millisieverts of radiation. This is 9 times the normally allowed maximum radiation for one year. However, the MPD has set 90 millisieverts as the upper limit of radiation exposure on this mission.

22:11 March 18, 2011 Friday (MOD to measure temperatures from the air tomorrow): Sankei Online reports at 21:45 that the Defense Ministry decided today to measure the temperatures of the reactors and storage pools of spent nuclear fuel at the Fukushima Daiichi Nuclear Plant from the air in the early morning of March 19. MOD engineers will use infrared rays to take measurements aboard large CH-471 transport helicopters. This will also help assess the effectiveness of dumping water on the reactors from helicopters. These officials will also take photos to assess the damage to the outer buildings and core of the reactors.

22:00

21:44 March 18, 2011 Friday (TEPCO apologizes): NHK online reported that a TEPCO managing director held a news conference tonight in Fukushima City, where he apologized for the disaster at the Fukushima Daiichi Nuclear Plant. He noted that Reactors Nos. 1-3 will "inevitably" remain offline permanently.

21:17 March 18, 2011 Friday (Water spraying tonight cancelled): NHK reported that the SDF has called off its plan to conduct a second round of water spraying tonight into Reactor No. 3, in order to give priority to other operations at the nuclear plant, including the installation of power lines.

20:56 March 18, 2011 Friday (Aftershock prediction): The Japan Meteorological Agency downgraded the probability a magnitude 7.0 aftershock in the next three days to 30%. The JMA previously assessed the odds at 70% on March 13, and 40% since March 14.

20:47 March 18, 2011 Friday (Updated casualty figures): The National Police Agency reports that 6,911 people have died, 2,356 are injured, and 10,316 are still missing.

20:42 March 18, 2011 Friday (PM Kan addresses nation): In PM Kan's message for the Japanese people one week after the March 11 earthquake, he conveyed his condolences to the victims and expressed his sympathy to people taking refuge at evacuation centers. He also praised how well the Japanese people have coped with the tremendous tragedy. Kan thanked the 117 countries and 29 international organizations that offered Japan assistance.

Kan cited the aftermath of the giant quake/tsunami and the nuclear accidents as the two challenges facing Japan. He said the government is determined to do everything in its power to help rehabilitate the victims and overcome this difficult situation.

Kan characterized the nuclear accident at the Fukushima Daiichi Nuclear Plant as "still in the balance," but he promised that all the parties concerned are doing everything possible to overcome this crisis and give the people peace of mind as soon as possible.

He called on the people of Japan not to be daunted by the country's "greatest crisis" since WWII. He referred to Japan's postwar economic miracle and called on the people to overcome this crisis in the same spirit of "rebuilding Japan from scratch."

Kan was asked by a reporter about criticism of the government's handling of information dissemination. Kan asserted that he and the chief cabinet secretary shared everything they knew with the people. He reiterated that while the crisis is ongoing, the government hopes to get the situation under control and emerge from the present difficulties "in the near future."

20:20 March 18, 2011 Friday (Displaced people): About 380,000 earthquake and tsunami evacuees were staying in 2,200 facilities, Kyodo News reported.

20:00

20:02 March 18, 2011 Friday (DHS to screen passengers, cargo from Japan): NHK Online reports at that in light of the situation at the Fukushima Daiichi Nuclear Plant, Homeland Security Secretary Napolitano announced that DHS will conduct radiation screening on travelers and cargo arriving at U.S. airports from Japan.

20:00 March 18, 2011 Friday (Crown Prince and Princess decline invite to royal wedding): NHK reports on its website that the Crown Prince and Crown Princess have decided not to attend the wedding of Prince William in London on April 29, due to the unprecedented scale of the disaster.

19:59 March 18, 2011 Friday (IAEA officials coming to Tokyo): Jiji Press reports that IAEA Director General Amano told METI Minister Kaieda today that IAEA will station more officials in Tokyo to promote closer cooperation with GOJ and monitor radiation levels in light of the situation at the Fukushima Daiichi Nuclear Plant. Monitoring may start as soon as tonight.

19:10 March 18, 2011 Friday (Hospitals in disaster region struggling with lack of power, supplies, food): The Yomiuri reported that one week since the earthquake, many patients are still stranded in hospitals that do not have electricity, food or medical supplies. "The situation is deteriorating day by day," said the paper. "Some are suffering from malnutrition." Patients cannot be moved to other hospitals easily. They are waiting for help.

Ishinomaki Kowan Hospital in Miyagi Prefecture is still without power, and its request to transfer 120 critical patients to another hospital was turned down. Over 40 staff (1 in 10) are still missing.

The Sennan Chuo Hospital in Shibata, Miyagi Prefecture, exhausted its rice reserves on March 17. Desperate, hospital administrators posted a plea for help on the internet, and has since received 1-2 weeks' of food and drinks. However, several patients fell critically ill before the relief goods were delivered.

Other hospitals in the region are operating with only half (or less) of their doctors and nurses. Some are missing, others have fled, and gas shortages are affecting people's ability to commute.

Structural damage remains a concern. Hoshina Hospital in Koriyama, Fukushima Prefecture decided to close down due to concerns about the building collapsing, transferring or discharging its 142 patients. Staff members have been laid off.

18:52 March 18, 2011 Friday (Other missions expand evacuation zone): According to Nikkei, following the USG's recommendation to Americans that they remain at least 50 miles (80km) from the Fukushima Daiichi nuclear plant, the UK, South Korea, Australia and New Zealand on March 17 echoed the advice to their citizens. Going further, the Singaporean Foreign Ministry spokesman on the 17th released a statement that its embassy in Japan is prepared to have its people living within a radius of 100 kilometers leave Japan.

18:46 March 18, 2011 Friday (Private sector assisting at nuclear plant): Nikkei reported that Heavy electric machinery firms Hitachi, Toshiba and IHI have begun supporting the crisis management efforts at the Fukushima Daiichi nuclear power plant. Toshiba has dispatched 60 engineers to the troubled plant, Hitachi has sent 47 and IHI has sent 30. Those engineers will assist with the procurement of equipment and pumping water.

18:15 March 18, 2011 Friday (Nuclear disaster upgraded from 4 to 5): Yomiuri Online reported that at a news conference shortly before 18:00, NISA upgraded disaster at the Fukushima Daiichi Nuclear Plant from 4 to 5 on the International Nuclear and Radiological Events Scale, and has informed the IAEA. The justification given was that "over 3% of the fuel in the reactor core has been damaged and radiation has leaked outside the nuclear plant."

18:00

17:52 March 18, 2011 Friday (Nikkei closes up): Stocks in disaster-stricken Japan capped a turbulent week with solid gains Friday after finance ministers from the Group of Seven nations announced a coordinated intervention in the currency market to prevent the yen from rising further. The Nikkei 225 index, the most prominent measure of stocks traded in Tokyo, climbed 244 points, or 2.7%. For the week, the index was down 10.2%, but has rebounded 7% since suffering the third-worst drubbing in its history on Tuesday. (CNN)

17:51 March 18, 2011 Friday (Nikkei calls U.S.-Japan cooperation "full-fledged"): An article in Nikkei discussed the close cooperation of the U.S. and Japan in dealing with the ongoing disasters in Tohoku, noting the provision of fire trucks, unmanned Global Hawk drones, and teams of radiation analysts and engineers—in addition to other emergency personnel.

17:49 March 18, 2011 Friday (500 foreigners unaccounted for): NHK reported that roughly 500 foreigners are among the over 10,000 still missing in the disaster-affected regions. The Ministry of Justice has established a website specifically dedicated to “confirming the safety of foreign nationals, who may have fallen victim to the earthquake,” said the National Police Agency.

19:42 March 18, 2011 Friday (Updated casualty figures): The National Police Agency reports that 6,548 people have died, 2,516 are injured, and 10,354 are still missing.

17:21 March 18, 2011 Friday (Fukushima hospitals running out of medical supplies, food): NHK reported that medical supplies are running critically low at Aozorakai Omachi Hospital in Minami-Soma City, Fukushima—located roughly 25km from the Fukushima Daiichi nuclear power plant. Air drops of supplies have not been enough to keep up with needs. In addition, breakfast on Saturday for patients will exhaust food supplies for the hospital. At least two people have died because the hospital has run out of IVs.

17:08 March 18, 2011 Friday (Kyodo op-ed calls for nuclear overhaul): A March 18 op-ed by James Action of the Carnegie Endowment for International Peace, published by Kyodo and entitled “Forging a safer nuclear future for Japan,” noted that neither the Fukushima Daiichi plant or Niigata’s Kashiwazaki-Kariwa plant (which was damaged by a magnitude-6.8 quake in 2007) were adequately protected against natural disasters. The op-ed called on the GOJ to commission a panel of independent scientific experts study whether Japan’s nuclear power plants may be affected not only by natural disasters but also by terrorism. “Most importantly,” the author concluded, “they should be tasked with recommending steps to address whatever deficiencies they identify. The Japanese people deserve no less.”

16:59 March 18, 2011 Friday (Temperatures in the spent fuel pools): CNN reported, citing the IAEA, that the temperature of the spent fuel pools of the Nos. 5 and 6 nuclear reactors at the Fukushima Daiichi power plant remain high but relatively stable. The unit 5 pool measured at 64.2 degrees Celsius (148 degrees Fahrenheit) at 3 a.m. Thursday, rising slightly in a reading 15 hours later to 65.5 degrees Celsius, according to the IAEA. The unit 6 temperature measurement went down slightly, from 62.5 degrees Celsius at 3 a.m. to 62 degrees Celsius at 6 p.m. Typically, the water in spent fuel pools is kept below 25 degrees Celsius, with the water boiling off - and releasing radioactive vapors - when temperatures surpass 100 degrees. After last Friday's 9.0-magnitude earthquake and subsequent tsunami, the main power source used to cool these waters - as well as several back-up systems - for the plant's six reactors were knocked out. The IAEA noted that an emergency diesel generator, tied to the No. 6 reactor, is now pumping water into that and the No. 5 unit. (CNN)

16:45

16:35 March 18, 2011 Friday (Number of GOJ emergency workers): The National Police Agency issued a release, based on information from the Cabinet Office, with the total number of Japanese government relief workers deployed to the disaster zone: 5,653 police officers, 5,747 fire officials, 76,000 members of Japan’s Self-Defense Force, and 18 Disaster Medical Assistance Teams.

16:27 March 18, 2011 Friday (Farm ministry to cooperate in radiation checks on foods): Kyodo reported that Farm minister Michihiko Kano said Friday his ministry will cooperate in investigations by local governments into residual radioactivity on agricultural products in the wake of the nuclear accident at Fukushima Daiichi. Ibaraki and other prefectural governments are eyeing conducting such a probe.

The move came after the Health, Labor and Welfare Ministry set provisional criteria of acceptable radioactivity levels for food products, and instructed prefectural governments to conduct the investigation.

16:15 March 18, 2011 Friday (Death toll tops 1995 Kobe quake): NHK reported at 15:21 that the National Police Agency's death toll of the earthquake and tsunami reached 6,539, with 10,354 still missing, making this Japan's deadliest natural disaster since the 1923 Kanto earthquake, which left around 142,000 dead. The 1995 Earthquake in Kobe killed 6,539.

16:07 March 18, 2011 Friday (Western Japan urged to boost productivity): Minister of Economy, Trade and Industry Banri Kaieda called on companies in western Japan on Friday to boost economic activity to prevent the country's economy from further slowing in the wake of last week's devastating earthquake and tsunami that hit the northeastern and eastern regions, according to Kyodo. He made the remark as TEPCO implemented rolling blackouts for the fifth consecutive day in the Kanto region, which includes Tokyo.

16:01 March 18, 2011 Friday (Despite power shortages, baseball season to begin on time): Kyodo reported that Japanese professional baseball's Central League will proceed with the March 25 opening of official games as planned. Industry minister Banri Kaieda said he hopes the games will not be held in areas facing potential blackouts due to electricity shortages, such as Tokyo Dome. According to the Energy Conservation Center in Tokyo, a night game at Tokyo Dome consumes 50,000 to 60,000 kilowatts of electricity per hour, equivalent to that consumed by about 4,000 households in one day.

15:52 March 18, 2011 Friday (PM vows to disclose more info on nuclear crisis to IAEA chief): Prime Minister Naoto Kan pledged to disclose as much information as possible regarding the ongoing nuclear crisis to the international community, during his meeting Friday with International Atomic Energy Agency chief Yukiya Amano. Kan made the promise after he was asked by Amano to increase the amount of detailed information on the situation at the Fukushima Daiichi nuclear power plant. Kan also said Japan will enhance its monitoring of radiation and other developments concerning the plant, which has been facing a number of serious problems since the March 11 devastating earthquake and tsunami.

15: 41 March 18, 2011 Friday (DOD \$35 million humanitarian assistance fund): Japanese Twitter users have picked up a DOD news release that Defense Secretary Gates has authorized up to \$35 million in initial Defense Department funds for humanitarian aid to Japan. The funding is in addition to \$8 million in total planned aid to Japan from USAID.

15:00 March 18, 2011 Friday (Water-spraying at Reactor No. 3): NHK reported at 14:58 that the SDF started spraying water into the Fukushima Daiichi Reactor No. 3 from 13:55 to 14:40. NHK then aired at 15:03 a live press conference by the ASDF chief of staff, who said six SDF fire trucks and one U.S. military fire truck have been utilized for the water spraying operation, which is set to resume later today. There are no plans to use helicopters to drop water, like yesterday.

14:46 March 18, 2011 Friday (One week since on): NHK broadcast a moment of silence being observed in shelters, exactly one week after the 9.0 earthquake that has devastated Japan's Tohoku region.

14:10

14:10 March 18, 2011 Friday (NHK live coverage of cooling efforts at Fukushima plant): NHK is covering live the water injecting efforts at the Fukushima Daiichi nuclear power plant that began just before 14:00. NHK is speculating that a Self Defense Force fire truck is shooting water at the 3rd reactor of the plant.

14:10 March 18, 2011, Friday (Construction of temporary housing to begin tomorrow): NHK reported at 13:40 that the Ministry of Land, Infrastructure, and Transport (MLIT) has decided to construct 200 temporary houses in Rikuzentakada in Iwate Prefecture and that the construction work will start tomorrow. The network said that MLIT estimates that as many as 14,000 temporary houses in Fukushima, 10,000 in Miyagi, and 8,800 in Iwate are needed to shelter those who have lost their houses by the disaster.

14:00 March 18, 2011 (Nepal relocates embassy from Tokyo to Osaka): Kyodo reports that Nepal's Embassy in Tokyo has been temporarily moved to Osaka amid radiation fears in Tokyo, a Foreign Ministry spokesman said Friday. "All our embassy staffers have moved to Osaka from where they will conduct operations from Friday," Harish Chandra Ghimire told Kyodo News. It is unclear how long the embassy will operate from Osaka. "The staffers will move back to Tokyo after radiation fears subside," Ghimire said.

14:00 March 18, 2011, Friday (American Airlines and Narita update): As of about 10 a.m. today, there were seats available on every American Airlines flight out of Tokyo—departing from both Haneda and Narita—for today and tomorrow. Flights were about 85-90% full. See photo below taken currently (March 18, 14:30) showing the line to check baggage at Narita Airport. Photographer noted that the queue extended out of the check-in area, through the entire shopping and food court area, and out to the other side of the terminal.



14:00 March 18, 2011, Friday (Diet passes bill to put off April local elections in quake-hit areas): Japan's parliament endorsed on Friday a plan to put off gubernatorial, mayoral and assembly elections in April in areas hit hard by a devastating earthquake and tsunami a week ago. A special bill for postponement of at least two months was enacted into law after almost all ruling and opposition lawmakers voted in favor in the Upper House (Note: The bill passed the Lower House earlier. End Note.) The rescheduling will come into force as early as next Tuesday as official campaigning for the gubernatorial race in Iwate

Prefecture was scheduled to start March 24. Prefectural election boards in the quake-hit areas, such as Iwate, Miyagi and Fukushima, will be allowed to determine if they can hold the elections or put them off for two to six months from when the law becomes effective. Nationwide local elections for regions which have not been severely affected by the calamitous March 11 quake and tsunami are expected to be held April 10 and April 24 as planned.

13:59 March 18, 2011, Friday (VOA: "U.S. Donations to Japan Lower Than After Other Disasters"):

According to a March 17 article in VOA news.com, some U.S. non-profit groups say donations are slow in coming after a week has passed since the deadly earthquake and tsunami in Japan. International aid efforts are underway, but donations from Americans lag compared to earthquake relief for Haiti last year. "My understanding is Japan is a very wealthy country so it hadn't really crossed my mind that they would need donations," one American man said. Another American said, "It just didn't occur to me because their government is equally as powerful as the United States." But survivors say they don't have enough now. "What we're lacking most is water, and vegetables. We need vitamin C," according to one survivor. "Going to the bathroom is a major problem, too." After disaster struck Japan, Americans donated some \$64 million in five days, compared to \$210 million for Haiti, according to The Chronicle of Philanthropy.

13:41 March 18, 2011, Friday (SDF reservists called up): According to an NHK report from March 16, 22:39, Defense Minister Kitazawa issued an order to call Self Defense Force (SDF) reservists to duty on March 16. Currently, reservists number 32,000 and ready reservists are 5,600 throughout Japan. Reservists are assigned to assist with water supply and life support in distressed areas. Some are to serve as interpreters between SDF and U.S. Forces. This is the first case ever that reservists have been called to active duty, not training, since the start of the reservist system in 1954 and ready reservists system in 1998.

13:40 March 18, 2011 (Consulate Nagoya update, March 18, 1400): Seven dependents (six from the Consulate and one from the Embassy) departed Nagoya Centrair Airport for Detroit on voluntary departure at 1300 today. Our four remaining dependents have chosen to stay in Nagoya. Principal Officer Jonas Stewart shared warden information and answered questions at a gathering of approximately 50 Americans and other expatriates in Nagoya last night. Attendees were calm and focused on initiating local humanitarian aid efforts for the Tohoku region. Consulate Nagoya continues to receive a manageable stream of calls from American citizens in the region and concerned family members in the U.S. Three officers at post will share duty calls over the weekend if the volume increases.

13:40 March 18, 2011 (Australia upgrades travel advisory, urges citizens to leave Tokyo): Kyodo reports from Sydney that the Australian government on Friday directly urged its citizens to leave Tokyo and vicinity, in an upgraded travel advisory that alluded to concerns about radiation exposure for the first time. "If you are an Australian citizen currently in Tokyo...and your presence is not essential then you should leave," Foreign Minister Kevin Rudd said in an interview with Nine Network. He said the advice also applies to areas north of Tokyo on the main island of Honshu that were affected by last week's earthquake and tsunami. The latest travel advisory issued by the Department of Foreign Affairs and Trade cites "disruptions to essential services, infrastructure damage, strong aftershocks and continuing uncertainty about the status of the Fukushima Nuclear Power Plant." It says Australians in Tokyo and affected areas "should, unless their presence in Japan is essential, make arrangements to leave — either

to Southern Japan or elsewhere.” The previous travel advisory, issued Wednesday, had merely urged Australians in Tokyo and vicinity to “consider departure” in view of the breakdown of essential services, and it made no mention of concerns over explosions at the nuclear power plant in Fukushima Prefecture. Rudd said Australian consular officials are stationed at Tokyo airports “assisting Australians onto flights and making other practical arrangements as is necessary.” He said that while there is still good availability on commercial flights out of Japan, his government is also engaged in contingency planning in case the situation changes. There are still no reports of Australian casualties in Japan. Rudd said 14 Australians are still unaccounted for in areas affected by last week's natural disaster, down from an initial list of 143. “We're going from morgue to hospital to emergency shelter to get this list down and we're then seeking to transport Australians who we find from there back to Tokyo,” he said.

12:40 March 18, 2011, Friday (Yomiuri report on reaction in U.S.): Yomiuri posted a report from Washington on its website at 12:40 saying that frustration is mounting in the U.S. toward the “lack of sense of crisis” on the part of the Japanese government with regard to the continued serious situation in the Fukushima Daiichi nuclear plant where radioactive material has leaked. The paper wrote that, during the press conferences by NRC Chairman Jaczko and Deputy Secretary of Energy Poneman, American journalists asked such questions as: “Do you believe that the Japanese government can handle this crisis?” or “Are you satisfied with the disclosure of information in Japan?”

12:30 March 18, 2011, Friday (DOD preparing to dispatch 450 specialists to Japan): Yomiuri posted a report from Washington on its website at 10:40 saying that the Department of Defense on Thursday began preparations to send Japan a special unit capable of operating in a radiation-contaminated area if the situation in the Fukushima plant deteriorates further. According to the paper, PACOM Commander Admiral Willard has told the press that as many as 450 experts on radiation damage are making preparations.

11:55 March 18, 2011, Friday (Akita Shinkansen service between Akita and Morioka resumed this morning): NHK reported at 11:45 that the Akita Shinkansen system resumed part of its service early this morning, specifically the route between Akita and Morioka. The broadcaster said that the restoration of train systems in Tohoku will help transport supplies to the disaster-hit areas.

11:40 March 18, 2001 Friday (NPA update on number of casualties): NHK reported at 11:35 that, according to the National Police Agency, the total number of dead and injured from the earthquake and tsunami has reached surpassed 16,000, with 6,405 deaths and 10,259 missing.

11:25 March 18, 2011 Friday (CCS Edano press conference): NHK aired live coverage of a press conference by Chief Cabinet Secretary Edano that started at 10:55. Edano talked about yesterday's efforts to inject water into the fuel pool at the Fukushima plant, saying that water was successfully injected in the pool but the level of the water in the pool has not yet been determined. Edano also said that TEPCO will concentrate its efforts in restoring electricity at the plant this morning, and water spraying operations will be conducted in the afternoon. Edano stated that, in general, the radiation detected in the area surrounding the plant is within the level that is not harmful to human health. When asked about a press report this morning alleging that the GOJ turned down initial U.S. offer of assistance, Edano dismissed it by saying that the GOJ, at least at the Kantei level, has not done so. NHK showed a chart of radiation levels measured before and after the water pouring efforts on Thursday, which said that radiation in the area near the west gate of the plant was 309 microsieverts at 15:30 on Thursday, 292 microsieverts at 20:40, and 271 microsieverts at 7:30 on Friday.

11:00 March 18, 2011 Friday ('Weeks' needed to cool down Fukushima nuke reactors: U.S. regulator): Kyodo reported from Washington that A top U.S. nuclear regulator indicated Thursday it is likely to take several weeks to cool down troubled nuclear reactors in Japan's northeastern prefecture of Fukushima. "This is something that will take some time to work through, possibly weeks, as you eventually remove the majority of the heat from the reactors and then the spent fuel pools," U.S. Nuclear Regulatory Commission Chairman Gregory Jaczko told a news conference at the White House. While noting the situation of Tokyo Electric Power Co.'s Fukushima Daiichi Nuclear Power Station "continues to be very dramatic," Jaczko declined to say whether Japan will avoid a worst-case scenario. "I really don't want to speculate on where this could go," he said, adding that the United States will continue to provide Japan with necessary support to address the problem. Japan is struggling to prevent high levels of radiation from emitting from the reactors that were hit by a powerful earthquake and tsunami a week ago.

10:50 March 18, 2011, Friday (DOD send experts to Japan): NHK reported that the U.S. Department of Defense announced on Thursday that it has dispatched 9 radiation experts to Japan, as the situation in the Fukushima plant is apparently becoming worse. The network said that DOD deputy spokesman Lapan said on Thursday that experts on nuclear and biochemical weapons have been sent to Japan. The spokesman also said that the DOD is prepared to send its special units stationed in Okinawa and the U.S. mainland that are trained for dealing with possible radioactivity by nuclear attack if there is a request from Japan, .

08:59 March 18, 2011, Friday (temporary quarters for Embassy families in Fukuoka): For Embassy families want to relocate within Japan to the Fukuoka area, Consulate Fukuoka reports that hotel occupancy in Fukuoka city is filling up fast (on average over 80% already) and there won't be many options soon. However, the navy base at Sasebo (Commander Fleet Activities Sasebo, or CFAS) has offered some space, though not free. The Consulate can assist with the Sasebo option. Please contact the Consulate at <http://fukuoka.usconsulate.gov/contact.html>

12:00 March 18, 2011 (Narita Airport access): According to press reports, part of the Shuto Expressway (from Kasai to Shinkiba) that goes to Narita Airport has been blocked and is unusable. (Note: Embassy Motorpool advises that despite this, motorists are able to get to Narita by using local roads for about ten minutes to get around the closed section of the expressway. End Note.)

12:00 March 18, 2011 (SDF fire engines to spray water on Reactor #3): According to an NHK report from 09:42 today, the Ministry of Defense said that Self Defense Force fire engines will conduct another round of water spray operations on Reactor #3 at the Fukushima nuclear power plant this afternoon.

12:00 March 18, 2011 (Half of Sendai Airport now usable for rescue aircraft): According to the Asahi, half of the 3,000m runway at tsunami-washed Sendai Airport is now usable for some rescue aircraft, including the C-130. The control tower and guiding lights are not usable so visual landing/takeoff is necessary. The timing for resumption of commercial flight service is unknown.

11:00 March 18, 2011 (Massive blackout in Tokyo area avoided Thursday after government warning): Kyodo reported that the Tokyo area barely avoided experiencing unpredictable massive blackouts on Thursday after the government warned in the afternoon that power demand in the region was increasing too much amid cold temperatures and further pressed businesses and individuals to save power. The level of demand neared that of the day's supply capacity for some time in the morning and

the afternoon, even as Tokyo Electric Power Co. implemented rolling blackouts Thursday for the fourth consecutive day. The blackouts, which were mainly in the Kanto region surrounding Tokyo, were to cover substantial power shortages following last week's massive earthquake and tsunami in Japan that crippled some nuclear power plants. As an emergency measure, the Land, Infrastructure, Transport and Tourism Ministry asked railway operators serving the metropolitan area to reduce the number of trains from the evening, when the use of electricity was expected to peak for the day as commuters headed for home. Railway operators, including East Japan Railway Co., Tokyo Metro Co. Odakyu Electric Railway Co. and Tokyu Corp., said they would cut the number of local trains in the Tokyo metropolitan area from 5 p.m. Thursday. Among other businesses, many companies sent workers home early, while some department stores in Tokyo decided to close earlier than scheduled. Convenience store operator FamilyMart Co. plans to halve the fluorescent lighting at its stores. Some 18 million households were affected by TEPCO's electricity rationing for Thursday, some areas experiencing scheduled blackouts twice. Tohoku Electric Power Co. serving northeastern Japan, meanwhile, forwent power rationing all day Thursday and said it is unlikely to implement the measure on Friday. Confusion has continued since the start of the area-by-area power rationing Monday, with more than 120 cases of people getting stuck in elevators reported so far and many shops forced to suspend business for the time being. The power saving measure is expected to continue until the end of April in areas around Tokyo, stirring concerns over economic stagnation and disruption to people's lives.

11:00 March 18, 2011(Radiation down consistently at one point in Fukushima plant): Radiation readings at the troubled Fukushima Daiichi nuclear plant have consistently followed a downward path through Friday morning, according to Nuclear and Industrial Safety Agency measurements taken roughly 1 kilometer west of the plant's No. 2 reactor. The agency also said Friday the radiation reading at 5 a.m. Friday came to 279.4 microsievert per hour, compared with 292.2 microsievert per hour at 8:40 p.m. Thursday, shortly after the Self-Defense Forces discharged water from fire trucks in an attempt to cool an apparently overheating spent fuel pool. In an unprecedented move, up to 64 tons of water was discharged by helicopters and fire trucks of the SDF as well as a water cannon truck of the Metropolitan Police Department into the pool at the No. 3 unit of Tokyo Electric Power Co.'s Fukushima plant Thursday. The mission will continue Friday as part of the effort to avert any massive release of radioactive materials into the air from the pool, while efforts to restore the lost cooling function by reconnecting electricity to the plant through outside power lines have accelerated, according to the government. The spent fuel pools at the power station lost their cooling function after the quake and tsunami struck last Friday. It is also no longer possible to monitor the water level and temperature of the pools of the No. 1 to 4 units.

9:30 March 18, 2011, Friday (G7 agrees on coordinated forex intervention): NHK aired as breaking news at 9:10 that the G7 agreed this morning through an emergency telephone conference among its member nations that they will step into the currency markets in a coordinated manner.

9:25 March 18, 2011, Friday (21 patients from Okuma Town die at shelters): NHK reported during its 9:00 news program that 14 patients who were transferred from Futaba Hospital in Okuma Town in Fukushima Prefecture that is within the 20-km evacuation area have died at shelters in Iwaki City in Fukushima Prefecture. NHK said that, according to the Fukushima prefectural government, seven other patients who have been transferred from the same hospital to other shelters in the prefecture have also died by Friday.

9:15 March 18, 2011, Friday (Relief supply efforts being stepped up): NHK reports that the Self Defense Force (SDF) is fully prepared to conduct another water spray operation at the Fukushima nuclear plant. The network said that the SDF has determined that it will be possible for the SDF to continue its aerial water spraying mission following its finding that the level of radiation detected from the 17 pilots who were engaged in yesterday's cooling operation was below one millisieverts, which is not harmful to human health. SDF fire trucks assembled from bases nationwide are arriving at the Ground SDF Koriyama base in Fukushima prefecture.

0900 March 18, 2011 Friday (Crews work to supply emergency power to nuclear plant): VOA reports that Japanese engineers worked through the night Thursday to extend an emergency power cable to the Fukushima Daiichi nuclear reactor complex crippled by last week's earthquake and tsunami. A steady supply of power could enable workers at the plant to get water pumps working again in their urgent effort to cool off overheated nuclear fuel rods. The cooling problem is particularly critical at one of the plant's six nuclear reactors, where the risk of an increased level of radioactive leaks is considered particularly high. The U.N. nuclear agency reported the situation at the Fukushima nuclear station was "very serious" Thursday, but that the problems caused by last week's natural disaster had not become significantly worse during the previous 24 hours. That assessment was delivered before the announcement late Thursday night that the circuit delivering electric power to the plant had just been restored.

0900 March 18, 2011 Friday (Tokyo Morning Press Highlights): All Japanese dailies gave top play this morning to the Self Defense Force's continued efforts on Thursday to cool the overheated spent fuel pool in the 3rd reactor at the Fukushima Daiichi nuclear power plant, including using helicopters and fire trucks to douse it with water.

0900 March 18, 2011 Friday (Japanese media--Foreign nations beginning to lose trust in information from Japan): *Asahi* ran an inside-page report from Washington claiming that the difference between the distances designated by the USG and GOJ for evacuating people from the area around the Fukushima nuclear plant has caused the U.S. and European nations to lose trust in information released by the GOJ and TEPCO concerning the nuclear accidents at the plant. The paper wrote that CNN anchor Anderson Cooper said in a live report from Tokyo on Thursday that he hasn't met anyone who believes the GOJ's official statements. Noting that the USG issued early Thursday morning a statement by Ambassador Roos recommending that American citizens who live within 80 km of the Fukushima nuclear power plant evacuate the area, the paper said that these instructions are very different from GOJ's instructions that residents in the 20-km radius evacuate and those who live between 20-30 km take shelter indoors. The paper claimed that although the USG had been following the GOJ's instructions up until recently, Washington changed its previous position on the grounds that Japan's instructions would not satisfy the safety guidance in the U.S. for when there is a risk of exposure to radiation of 10 millisieverts or above. According to the paper, some reporters have asked during regular press briefings at the White House and the State Department whether the USG still trusts what the GOJ is saying, and White House Press Secretary Carney reportedly said that American citizens in Japan should not depend solely on information from the GOJ, but stay in close contact with the U.S. Embassy in Tokyo. The paper wrote that DOS Acting Deputy Spokesman Toner, however, was more defensive about Japan by reportedly saying that getting reliable information is a struggle during a major disaster like this involving earthquakes, tsunamis, and nuclear accidents.

0900 March 18, 2011 Friday (Japanese media--Foreign media becoming increasingly wary of Japan's crisis management): *Tokyo Shimbun* ran an inside-page report saying that an increasing number of

prominent media reports in such nations as the U.S. and U.K. have expressed distrustful views about the GOJ's crisis management over the nuclear accidents in Fukushima. The paper wrote from New York that U.S. media reports mentioned the lack of political leadership and insufficient transparency in handling information and highlighted the difference between the responses of the U.S. and Japanese governments.

0900 March 18, 2011 Friday (Japanese media--Families of U.S. Embassy/Consulate staff to voluntarily depart Japan): An inside-page report in *Mainichi* said that the Department of State announced on Wednesday that arrangements are being made for about 600 family members of the U.S. Embassy in Tokyo, the U.S. Consulate in Nagoya, and the Foreign Service Institute in Yokohama to leave Japan voluntarily. Several other papers ran similar inside-page reports.

0900 March 18, 2011 Friday (Japanese media--Cooperation between U.S. and Japan being strengthened): *Nikkei* ran an inside-page report saying that cooperation between the U.S. and Japan is being strengthened in the wake of the nuclear accidents in Fukushima. The daily said that the U.S. military has superior expertise and equipment to that of the SDF and that the U.S. military has already provided the SDF with such equipment as anti-radiation gear.

0900 March 18, 2011 Friday (Japanese media--U.S. military steps up airlift efforts): Thursday evening's *Yomiuri* ran an inside-page report from Washington saying that, according to the U.S. Department of Defense, the U.S. military had supplied by Wednesday about 58.5 tons of bottled water and 1.9 tons of food via helicopters and other vehicles to the areas stricken by the powerful earthquake and tsunami last week. According to the paper, a helicopter unit aboard the aircraft carrier *USS Ronald Reagan* conducted a total of 15 airlift missions, supplying goods such as food supplies, medical equipment, and clothes. The daily also wrote that the U.S. military transported four high-pressure water pumps from Sasebo Naval Base to Yokota Air Base via Yokosuka Navy Base on Wednesday to help Japan to deal with the accidents at the Fukushima Daiichi nuclear power plant. The paper also said that three U.S. military vessels, including the *USS Essex*, which is carrying as many as 2,200 service members from the III Marine Expeditionary Force in Okinawa, will arrive at Sakata Port in Yamagata Prefecture on Thursday.

0900 March 18, 2011 Friday (Japanese media--GOJ initially turned down U.S. offer of technical support for nuclear accidents?): *Yomiuri* ran an inside-page report saying that a senior DPJ lawmaker told the paper on Thursday that the GOJ turned down an offer of technical support from the USG immediately after the damage at the Fukushima Daiichi Nuclear power plant was discovered after the major earthquake hit eastern Japan on March 11. The paper speculated that the GOJ and TEPCO turned down the U.S. offer because it was "too soon," saying that the U.S. side assumed that the reactor was out of commission while the Japanese side believed that restoring the coolant function was still possible at that time.

0900 March 18, 2011 Friday (Japanese media--U.K., Australia, South Korea and others issue 80-km evacuation recommendations): *Asahi* wrote that the governments of the UK, Australia, New Zealand, South Korea, and Mexico have issued recommendations similar to those of the U.S. urging their citizens who live within 80 km of the Fukushima nuclear power plant to evacuate the area.

0900 March 18, 2011 Friday (Japanese media--Eight embassies in Tokyo temporarily closed): *Asahi* ran an inside-page report saying that an increasing number of foreign embassies in Tokyo have implemented temporary closures. Speculating that concern over the nuclear accidents in Fukushima is

behind these moves, the paper wrote that, according to MOFA, eight nations – Iraq, Bahrain, Angola, Panama, Croatia, Kosovo, Liberia, and Lesotho – have announced their embassies' temporary closures.

8:15 March 18, 2011, Friday (U.S. begins radiation screening of passengers, goods): NHK reported at 8:05 that the U.S. government has said that it has begun to implement "radiation screening" at domestic airports for passengers and goods arriving from Japan.

0800 March 18, 2011 Friday (Gov't seeks to address gasoline shortage in quake-hit areas): Kyodo Tokyo reports that the government has called on oil companies in western Japan to send 20,000 kiloliters of gasoline and light oil per day to northeastern Japan, and increase the number of big tankers involved in supplying the fuel in the region to 700 from the current 400. Refineries in western Japan are asked to raise the operation rate from about 80 percent to 95 percent or more Economy, Trade and Industry Minister Banri Kaieda said. By bringing gasoline from western Japan, in addition to that supplied from two refineries in Hokkaido, the northeastern Tohoku region is expected to ensure a supply that meets daily demand of 38,000 kiloliters. "We would have the (western Japan) refineries immediately increase their output...and we would like to hurry so that the fuel will reach this (quake-hit region) in two or three days," Kaieda said. The minister also said that functions at a quake-hit oil tank facility in Shiogama, Miyagi Prefecture, should be swiftly restored. He also said that some gas stations in the quake-hit area would be designated to put priority on supplying fuel to emergency vehicles such as those of the police and fire-fighting vehicles.

07:59 March 18, 2011 Friday (Aomori nuke facilities discontinued): Tokyo Electric Power Company (TEPCO) will discontinue the construction of a new nuclear power plant in Higashidori, Aomori Prefecture, in the wake of severe accidents inflicted on its Fukushima No. 1 nuclear plant in Fukushima Prefecture by last week's catastrophic earthquake and tsunami, a company official said Thursday. Two other companies, partly owned by TEPCO, also revealed that they will shelve their projects to build nuclear facilities in Aomori for the time being.

0700 March 18, 2011 Friday (Debris clearance progressing in quake-hit areas): Kyodo Tokyo reports that the search for victims of Japan's massive earthquake has gradually expanded across a wider area, with access improved by the removal of debris left by tsunami. Fuel shortages have hampered the delivery of relief supplies to shelters where survivors are staying, while also limiting the use of heavy machinery and heating appliances, they said. In the severely hit coastal city of Rikuzentakata in Iwate, the progress made in rubble removal has enabled the Self-Defense Forces to build roads so rescue workers can search for victims across greater areas. Mayor Futoshi Toba said, "There were some areas where we could not enter, but now we can go anywhere (in the city) by car." He added, however, "We need fuel for heating, operating heavy machines and delivering relief goods to shelters, but we face difficulties." Sendai Airport, which was submerged by a tsunami following the quake, was partially reopened for use by police and SDF airplanes to transport relief supplies. No decision has been taken on when commercial flights will resume. In another development, express bus services between Sendai and Morioka as well as Morioka and Aomori were resumed Thursday, connecting all of the six prefectural capitals, including Akita, Yamagata and Fukushima, in the Tohoku region.

0700 March 18, 2011 Friday (Gov't orders local authorities to test for radioactivity in foods): Kyodo in Tokyo reports that the government has instructed local governments to conduct tests for radioactivity levels in domestically produced foods using a provisional standard set up by the government for the first

time ever, as a result of the evolving nuclear crisis at a Fukushima power plant crippled by last Friday's magnitude 9.0 earthquake, ministry officials said Thursday. "Although all the local authorities are required to conduct the tests, they will mainly be enforced on the fresh foods produced in municipalities related to the (nuclear power plant) accident," said Kohei Otsuka, vice minister for health, labor and welfare. At present, no food has shown levels exceeding the standard, the health ministry said. The standard, which the ministry set up based on the reference index by the Nuclear Safety Commission, is relatively higher than international standards, Otsuka said.

0700 March 18, 2011 (Obama: Nuke crisis poses 'substantial risk,' more support to Japan): Kyodo reports from Washington that U.S. President Barack Obama said Thursday the damage to the Fukushima Daiichi nuclear plant posed "a substantial risk" to people nearby and pledged more support to Japan over the nuclear emergency and rescue efforts following a devastating earthquake and tsunami that hit northeastern Japan last week. Speaking at the White House, Obama also said that a U.S. decision to ask American citizens living within an 80-kilometer radius of the quake-hit nuclear plant in Fukushima Prefecture to evacuate as a precautionary measure was "based upon a careful scientific evaluation." He also pledged to extend more support for Japan, saying, "The Japanese people are not alone in this time of great trial and sorrow." The United States is "aggressively" supporting Japan, with which it has "an alliance forged more than a half century ago and strengthened by shared interests and democratic values," Obama said. While urging U.S. citizens in Japan to continue to monitor the situation, Obama assured the safety of the United States, saying, "We do not expect harmful levels of radiation to reach the United States, whether it's the West Coast, Hawaii, Alaska, or U.S. territories in the Pacific. That is the judgment of our nuclear regulatory commission and many other experts," he said, adding Washington has no plan to expand the scope of evacuation order beyond the 80-km radius area of the troubled reactors. "In going forward, we will continue to keep the American people fully updated," Obama said. Noting that the earthquake and tsunami rendered an unimaginable toll of death and destruction in Japan, Obama also said, "We've seen this powerful natural disaster cause even more catastrophe through its impact on nuclear reactors that bring peaceful energy to the people of Japan." Prior to the remarks, Obama visited the Japanese Embassy in Washington and signed a condolence book. At the embassy, Obama told reporters, "We feel a great urgency to provide assistance to those who have been displaced from their homes who are suffering enormously at this moment." The president also said, "Our deepest sympathies, our thoughts and prayers are with the families of those who have been lost." Obama also showed confidence in Japan's recovery from the disaster. "It has people who are strong, who are resilient, who are dedicated to their country, who are brilliant," Obama said. "I am confident that Japan will emerge even stronger than before." Obama also briefly met with Japanese Ambassador to the United States Ichiro Fujisaki at the embassy.

0658 March 18, 2011 Friday (DOE measurements over Fukushima power plant): Measurements taken by the Department of Energy's Nuclear Incident Team from March 17 flights over the Fukushima nuclear power plant show there is no significant radiation exposure beyond 5 miles north and south of the plant. DOE assesses Japan's 20-km evacuation and 30-km shelter areas are adequate. U.S. guidance—recommending a 50-mile (80-km) evacuation radius—is sufficient and conservative. Data from a second set of flights is currently being analyzed.

0610

0535 March 18, 2011 Friday (Russian spy plane approaches Japanese territories to survey U.S.-Japan relief operations): This morning's Sankei reported that ASDF jet fighters made a scramble flight Thursday in response to a Russian ELINT reconnaissance aircraft which flew near Japanese territorial airspace over the Sea of Japan. Noting that several U.S. warships were assembled off the coast of Yamagata Prefecture for "Operation Tomodachi," the daily said the Russians were apparently trying to monitor the humanitarian mission being carried out in collaboration with the SDF.

0528 March 18, 2011 Friday (Blackout in Tokyo area Avoided after Businesses, Residents Cut Power Use): Minister of Economy, Trade and Industry Banri Kaieda and other Cabinet officials warned that a massive unscheduled blackout could occur despite the scheduled power rationing measure in TEPCO's service area as demand for electricity already approached the supply capacity for Thursday in the morning hours, according to Kyodo News. To prevent this, the GOJ called on residents and business to curtail their electricity use. In response, rail operators reduced the number of trains running and many businesses and stores closed early. TEPCO said following the Cabinet ministers' call for more energy-saving efforts, demand dropped to around 29.0 million kilowatts -- below the supply of 33.5 million kilowatts -- as of 5 p.m.

0523 March 18, 2011 Friday (Rescue teams from 4 nations cease operation): Mainichi reported this morning that search and rescue teams from four countries--Singapore, Germany, Switzerland, and France--have completed their operations in Japan.

0515 March 18, 2011 Friday (GOJ initially turned down US offer for help): This morning's Yomiuri reported on the revelation by a senior DPJ official that the GOJ initially rebuffed a USG offer for technical help in cooling the heated nuclear reactors at the Fukushima plant based on the assessment that they would be able to control the situation by themselves.

0445 March 18, 2011 Friday (Temperature rising at reactor 5, 6): NHK reported at 4:14 that temperatures at the spent fuel pools at the 5th and 6th reactors on the Fukushima No. 1 plant have been rising gradually, with TEPCO paying close attention to avoid a decline in the water level by continuing to pour water into them from emergency tanks. Temperatures at the pools in question have reportedly risen by 9.5 degree to about 64 centigrade in the last two days.

0417 March 18, 2011 Friday (Kyodo piece on President Obama signing condolence book): Kyodo reported on Obama's signing of a condolence book and his meeting with the Japanese ambassador at the Japanese Embassy in Washington on Thursday, quoting him at length:
"We feel a great urgency to provide assistance to those who have been displaced from their homes who are suffering enormously at this moment."
"As I said on the first day of this tragedy, I am confident that Japan will rebuild."
[Obama visited the Japanese embassy and signed the condolence book] "to communicate how heartbroken the American people are over the tragedy."
"We are doing everything we can to stand by our great friend and ally in Japan in this hour of need."
"Our deepest sympathies, our thoughts and prayers are with the families of those who have been lost."

0402 March 18, 2011 Friday (EFM's En Route to Hotel in Taipei): AIT Consular Section reported at 03:56 that EFMs are headed to the Hyatt Hotel to rest before onward travel. AmEx operation at the airport is shutting down temporarily and will re-open at 8 am March 18 at the hotel. AIT hopes to have orders by then.

See attachment for readout of March 16 NRC-TEPCO-NISA meeting (may be OBE)

03:57 March 18, 2011 Friday (NAF Atsugi opened to press to showcase "Operation Tomodachi"): TBS TV reported that the U.S. military allowed Japanese media access to NAF Atsugi to showcase its disaster relief "Operation Tomodachi," with footage showing water bottles and paper diapers being assembled for shipment to the devastated areas. The Navy installation is serving as a round-the-clock logistics hub, with assembled relief goods being airlifted to Yamagata Airport and the USS Ronald Reagan anchored off the coast of the Tohoku region. Some 4,000 personnel on the base are all engaged in the humanitarian operation. A clip showed an Navy officer saying on camera: "Everybody is impacted....We will give you everything we can to help the survivors."

03:25 March 18, 2011 Friday (French embassy distributing iodine tablets): Sankei reprinted a Kyodo piece on the announcement by a French Foreign Ministry spokesperson on Thursday that the French Embassy in Tokyo has begun distribution of potassium iodine tablets for use by French citizens as a "precautionary measure" in view of the apparent deterioration of the nuclear crisis in Fukushima. The article said almost 4,000 French nationals have left the Kanto area, with some 3,000 citizens still remaining. The daily also reported that the French government has sent to Japan some 100 tons of boric acid meant to curb nuclear fission, as well as 10,000 sets of protective gear against radiation and other relevant goods.

03:25 March 18, 2011 Friday (Brazil embassy not evacuating): Sankei reported that Foreign Minister Matsumoto on Thursday spoke by phone with his Brazilian counterpart Patriota, who was quoted as saying: "I am paying tribute to the patience and strength shown by the Japanese people. Unless recommended by the Japanese, Brazil will not evacuate its embassy [in Tokyo]."

03:01 March 18, 2011 Friday (G7 to agree on coordinated action to halt yen's rise): Nikkei's website reported at 2:00 that finance ministers and central bank governors of the G7 countries will hold an emergency telephone meeting on Friday morning (Japan time), predicting that the officials will issue a joint statement allowing Tokyo to intervene in the forex market to stop the yen's appreciation in the judgment that the Japanese currency's excessive rise against the U.S. dollar would undermine Japan's efforts to overcome the current crisis associated with the Great Tohoku earthquake.

02:25 March 18, 2011 Friday (Radiation levels drop slightly after water spraying): NHK-TV reported at 1:36 on the disclosure by TEPCO officials that radiation levels at the Fukushima nuclear station declined slightly after several rounds of water spraying by SDF firefighting vehicles Thursday evening. The radiation level at the plant's west exit stood at 289 micro sieverts/hour as of 23:00, three hours after the water spraying, in comparison to 309 micro sieverts that was recorded prior to the exercise.

02:11 March 18, 2011 Friday (U.S. distrustful of Japan's response to nuclear crisis): Asahi reported on mounting distrust within the USG of Japan's handling of the continued crisis at the Fukushima nuclear plant, highlighting the U.S.'s most updated evacuation advisory calling for American citizens to stay out of the 50 mile-radius of the trouble-prone plant. The daily said this recommendation represented a sharp turnaround of the U.S.'s previous stance of being "in sync" with the GOJ regarding the assessment of the nuclear crisis. The article highlighted congressional testimony given on Tuesday by Energy Secretary Chu, who said that the U.S. hears "conflicting reports" from Japan.

01:37 March 18, 2011 Friday (EU to inspect Japanese food imports): NHK-TV reported on the revelation by the European Commission that it has recommended EU member states perform radiation screening of agricultural and livestock imports from Japan. Saying that the radiation screening will be enforced as a "precautionary measure," a spokesperson for the commission said this may be the first time that the EU will carry out radiation checks on imported foods.

01:15 March 18, 2011 Friday (France leader expresses hope to visit Japan): Mainichi's webpage reported at 22:09 that French President Sarkozy said on Thursday that he is ready to visit Japan later this month in order to express "solidarity" with Japan, who is struggling to overcome the earthquake disaster. The French leader reportedly said: "If permitted, I would like to visit Japan in a manner that would not disrupt the GOJ's efforts to deal with the disaster." Sarkozy is reportedly thinking about visiting Japan in his capacity as the chair of the G8 and G20.

01:05 March 17, 2011 Thursday: (SBU) J4/USAID Request for Assistance (RFA), Japan requested (30,000/10,000 units plastic sheets; 60,000L light oil type #3; 40,000L kerosene; 20,000 blankets; 12,000L water and 80,000 units/100,000 pieces of emergency dry food). Supplies are not available in military channels. JJS LNO at Ichigaya said that the issue is shortage of gas to deliver supplies, not blankets. USFJ J4 working on response.

00:55 March 17, 2011 Thursday: (SBU) There will be a meeting 18 Mar at MOD (Ichigaya) with Col Payton (USFJ) for the NRC, DTRA, and Self Defense Force to discuss the overall plan/course of action for Fukushima. PolMil was notified by Mr. Nagano MOFA Security Division. The MOD poc is Maj Sato, Def Policy Bureau. The time of the meeting is to be determined.

00:30 March 18, 2011 Friday (TEPCO says water spraying by SDF vehicles has "certain effects"): NHK TV aired a live press conference after midnight by TEPCO officials, who said that the water spraying operation at the 3rd reactor of the Fukushima plant by SDF fire extinguishers had "certain effects" in cooling the spent fuel pool there, given that vapor at the site apparently increased immediately after the spraying. The officials speculated that the vapor increased because heat was taken away from the pool to some extent as a result of six rounds of spraying. They added that the water spraying exercise will be resumed hopefully this morning.

00:02 March 18, 2011 Friday (USG authorizes voluntary departure of dependents of diplomats): TBS-TV website reported this evening on the USG announcement that it will allow the voluntary departure from Japan of family members of its diplomats currently stationed in Tokyo, Nagoya, and Yokohama.

23:34 March 17, 2011 Thursday (Embassy closings in Tokyo): Asahi reported on the announcement by MOFA that a total of eight countries – Iraq, Angola, Kosovo, Panama, Croatia, Liberia, Lesotho, and Bahrain – have formally informed MOFA that their Tokyo operations have been closed temporarily. According to the ministry, a "substantial number" of other foreign embassies have also effectively ceased operations.

22:00 March 17, 2011 Thursday (Updated NPA casualty figures):

Prefecture	Deaths	Missing
Hokkaido	1	
Aomori	3	1

Iwate	1,905	3,853
Miyagi	3,158	2,157
Yamagata	1	
Fukushima	574	3,507
Tokyo	7	
Ibaraki	19	1
Tochigi	4	
Gunma	1	
Chiba	16	3
Kanagawa	3	
Total	5,692	9,522

21:42 March 17, 2011 Thursday (WHO debunks rumors in Asia-Pacific about radiation clouds): FT reported that as far away as Hanoi, panic has gripped those in the Asia-Pacific region about radioactive fallout from Fukushima. The World Health Organization representative in China released this statement aimed at quelling public concern: "Rumors have been circulating by text messaging and other means of a threatening radiation cloud spreading across Asia and beyond from the damaged nuclear facilities in Japan. WHO radiological experts have been working closely with Japanese authorities and the International Atomic Energy Agency (IAEA) to monitor and assess the evolving situation. Experts share Japan's concerns about the situation around the affected facility. However based on the information available to date, WHO believes that there is currently no significant risk to human health for anyone living outside the 30km exclusion zone."

21:35 March 17, 2011 Thursday (Some relief workers reluctant to approach Fukushima): An LA Times reporter in Yamagata reported that residents in Fukushima are feeling isolated as relief workers are fearful of radiation contamination. "Aid agencies are reluctant to get too close to the plant," the article noted. "Shelters set up in the greater Fukushima area for 'radiation refugees' have little food, in part because nobody wants to deliver to an area that might be contaminated." Though Connecticut-based NGO Save the Children has staff providing relief in Sendai and Tokyo, a spokesman noted that it was still deciding whether to dispatch workers to Fukushima.

21:15 March 17, 2011 Thursday (Japanese automakers suspend operations): NHK reported at 20:15 that Toyota will suspend all production until March 22; Honda will suspend all production until March 20; and Nissan will stop production at its four plants in Kanagawa prefecture.

20:35 March 17, 2011 Thursday (Trucks finished spraying at reactor): Five water cannon trucks of the Tokyo Metropolitan Police and Self-Defense Force finished spraying water into the Fukushima Daiichi Reactor No. 3 at 20:07, an official from the Nuclear and Industrial Safety Agency (NISA) said at a press conference broadcast on NHK. The results are still unknown.

20:30 March 17, 2011 Thursday (Tokyo blackouts avoided): Despite earlier warnings that unplanned power outages may cripple Tokyo's transportation system, TEPCO announced it was able to avoid implementing rolling blackouts, according to NHK.

20:29 March 17, 2011 Thursday (Nikkei falls 1.4%): The Nikkei 225 index, the most prominent measure of stocks traded in Tokyo, dropped 131 points, or 1.4%. It was down as much as 454 points, or 5%, before rebounding. The index recovered nearly 6% on Wednesday after plunging a combined 16%

during the first two trading days following last week's massive earthquake and tsunami. Overall, in the past five sessions, the index is down more than 14%. (CNN Money)

19:54 March 17, 2011 Thursday (Truck spraying water into Reactor No. 3): NHK reported at 19:54 that Tokyo Metropolitan Police and SDF teams have just begun spraying water into the Fukushima Daiichi Reactor No. 3.

18:45 March 17, 2011 Thursday (Cabinet shuffle): NHK reported at 18:45 that Chief Cabinet Secretary Edano said at a press conference that Yoshito Sengoku will be appointed as deputy chief cabinet secretary; Deputy Chief Cabinet Secretary Fujii will become an assistant to Prime Minister Kan.

18:36 March 17, 2011, Thursday (Sendai Airport opened for emergency/relief flights): NHK reported at 18:36 that Sendai Airport is now open for Self Defense Force and U.S. military flights.

18:30

18:00 March 17, 2011 Thursday (Yomiuri reports U.S. military steps up airlift efforts): Thursday evening's Yomiuri ran an inside-page report from Washington saying that, according to the U.S. Department of Defense, as of Wednesday the U.S. military has supplied 58.5 tons of bottled water and 1.9 tons of food via helicopters and other vehicles to the disaster-stricken areas. According to the newspaper, a helicopter unit from the aircraft carrier USS Ronald Reagan conducted 15 airlifts. Delivered goods included survival food items, milk, fruits, medical equipment and clothes. The daily also wrote that the U.S. military transported four high-pressure water pumps from Sasebo Naval Base. The paper also said that three U.S. military vessels, including the USS Essex, which carries as many as 2,200 service members from the III Marine Expeditionary Force in Okinawa, will arrive at Sakata Port in Yamagata Prefecture on Thursday. The paper printed a photo of U.S. servicemen handing boxed of bottled water to people at a shelter in Rikuzen-takada in Iwate Prefecture.

17:56 March 17, 2011 Thursday (Elections postponed): NHK reported at 17:45 that the Lower House approved a bill to postpone the unified local elections slated for April, and sent the bill to the Upper House.

17:55 March 17, 2011 Thursday (Update from Fukuoka Prefecture): The Fukuoka Prefectural Government announced that it would make 175 public apartments in Fukuoka, Kitakyushu, Kurume and Iizuka available to the earthquake victims free of charge. An additional 393 public apartments that belong to cities, towns and villages within Fukuoka Prefecture are also available. Also, the Fukuoka Prefectural Police decided to dispatch rescue teams consisting of 370 policemen and 76 vehicles.

17:45 March 17, 2011 Thursday (Fire engines to pump water): Chief of Joint Staff Oriki said that five fire engines are expected to spray 30 tons of water onto Fukushima Daiichi Reactor No. 3 some time after 18:00, according to NHK.

17:40 March 17, 2011 Thursday (Blackouts in Kanto): TEPCO implemented rolling blackouts Thursday for the fourth consecutive day in part of the Kanto region including Tokyo to cover substantial power shortages, affecting 10 million households. NHK reported at 16:26 that the Minister of Land, Infrastructure, and Transport requested that rail companies reduce the number of trains due to the possibility of unexpected power outages. Electricity Conservation Promotion Minister Renho has called for efforts to save power, warning that power demand may surpass supply Thursday evening if the

demand remains at current increased levels due to the cold weather. Power-saving measures are expected to continue through the end of April, stirring concerns that the economy will suffer as businesses are forced to remain closed. Meanwhile, the Tohoku Electric Power Company announced it will forgo power rationing on Thursday in the disaster-affected region.

The Embassy has received notice from the Ministry of Transportation that large-scale blackouts are likely this evening. As a result, the Ministry is significantly cutting back on the number of active trains. All of the office lights in the Ministry of Foreign Affairs have been shut, and similar may have been issued at other ministries.

17:37 March 17, 2011 Thursday (Updated casualty numbers): The National Police Agency released updated casualty numbers, with the total dead now at 5,321, and 9,329 still missing. The prefectures with the most casualties are Miyagi (2,896 dead; 2,243 missing) and Iwate (1,824 dead; 3,853 missing). The total number of people reported injured is 2,383.

17:03 March 17, 2011 Thursday (10,000 tested for radiation exposure in Fukushima): Kyodo reported that roughly 10,000 people headed to evacuation centers and health offices in Fukushima Prefecture on Wednesday to take screening tests for exposure to radiation in the wake of troubles at the Fukushima Daiichi nuclear plant, prefectural officials said Thursday. In the screening tests at 26 locations, radioactivity was detected on six people—but only on their faces and hands, the authorities said.

16:30

16:30 March 17, 2011 Thursday (Helicopter operations have ended for the day; fire trucks taking over): After DM Kitazawa told reporters earlier this afternoon that “We will not [pour water] from the helicopters any more today,” NHK reported at 16:00 that the Tokyo Metropolitan Police Department’s mobile unit will soon begin spraying water onto the spent fuel pool Daiichi Reactor No. 3. Yomiuri reported that following this, Self-Defense Force fire trucks will also be spraying water into the reactor.

16:04 March 17, 2011 Thursday (Radiation level not lowered by helicopter water drops): Kyodo reported that radiation levels remained unchanged at the troubled Fukushima Daiichi nuclear plant Thursday morning even after Self-Defense Force (SDF) helicopters dropped tons of seawater onto the reactors this morning. The radiation level around the plant’s quake-proof building in which workers are standing by has risen to about 3 millisieverts (mSv) per hour, it said. Defense Minister Kitazawa said earlier in the day he had given the go-ahead for the helicopters to drop water as the radiation level was 4.13 mSv per hour at an altitude of 1,000 feet, and 87.7 mSv at 300 feet. The helicopters descended to a height of less than 300 feet to drop the water, said SDF chief Ryoichi Oriki.

15:55 March 17, 2011 Thursday (Japan responds to foreign missions advising evacuation): Kyodo reported Chief Cabinet Secretary Yukio Edano expressed “understanding” over the U.S. advisory expanding the suggested evacuation zone to 50 mi (80 km), noting that the U.S. government made a “more conservative decision from the standpoint of protecting its citizens.” Edano continued that if an incident occurred overseas in which people were asked to evacuate, the Japanese government would likely do the same thing to protect its nationals, especially as it would not be directly in charge of the situation there. Nonetheless, Japan has, at this point, no plans to expand the evacuation area, Edano said, noting that its data, reported by the science ministry, shows that the radiation does not immediately pose a risk to human health outside a 30 km radius.

15:48 March 17, 2011 Thursday (GOJ official residences made available): Kyodo reported that the Finance Ministry notified local governments in regions devastated by the quake and ensuing tsunamis that about 5,500 vacant government-owned residences [Note: We assume but have not confirmed these residences are in the disaster-affected regions. End Note] are being made available for evacuees.

15:45 March 17, 2011 Thursday (Japan to release salt reserves to cover supply interruptions): Kyodo reported that according to the Finance Ministry, the Salt Industry Association of Japan will release 900 tons of edible salt from its reserves to cover supply shortages after one of Japan's six salt plants suspended production due to last Friday's catastrophic earthquake. This will be the first time the GOJ has released salt from the reserves. The center has a total of 100,000 tons of salt in reserve, including 60,000 tons of raw salt. The suspension of production at the plant in Iwaki, Fukushima Prefecture, has caused shortages in supply to food makers, including those manufacturing instant noodles.

14:15 March 17, 2011 Thursday (U.S. aircraft arrives at ASDF Matsushima base) Nikkei posted a report on its website at 13:05 that aircraft from the U.S. military arrived at ASDF Matsushima Air Base earlier today in a mission to airlift relief supplies to the devastated areas, including Kesennuma in Miyagi Prefecture and Rikuzen-Takada in Iwate Prefecture. Five GSDF trucks loaded with 20,000 bottles of water and pharmaceutical products left the airport to the disaster-stricken areas with 31 Marines. The U.S. Air Force's special transport plane flying from Yokota AB arrived at the air base around noon, and there was only very low visibility in the area due to a snowstorm in the area. A U.S. military officer who arrived with the cargo said: "We would like to send the relief supply to the disaster-hit areas as soon as possible." The commander of the ASDF base said in reply: "You arrived at the base with great courage despite the risk of bad weather."

14:00 March 17, 2011 Thursday (Large number of foreign residents seeks re-entry permits): A large number of foreign residents in Japan rushed to the Justice Ministry's Tokyo Immigration Bureau from early Thursday to seek re-entry permits before leaving the earthquake-hit country temporarily. More than 2,500 foreign residents formed a long queue in and outside the immigration office in Tokyo as of noon, apparently due to fears over a possible nuclear disaster involving the Fukushima No. 1 nuclear plant. The bureau said it received requests for re-entry permits from some 10,000 foreign residents Wednesday and that the figure on Thursday could exceed it. It would issue the permission to those who came to the office by 16:00. A 45-year-old Jordanian national was quoted saying the Japanese government should issue the re-entry permit at airports in such an emergency situation.

13:00 March 17, 2011, Thursday (Notifying embassies of authorization of voluntary departure): JECC began alerting other foreign embassies that the State Department has authorized the voluntary departure of dependents of officials at U.S. Embassy Tokyo and the U.S. Consulate in Nagoya. The following embassies have been notified: Egypt, EU, Finland, France, Germany, Greece, Hungary, Indonesia, Israel, Italy, Republic of Korea, Afghanistan Belgium, Brazil, Canada, Singapore, UK and Mexico.

1300 March 17, 2011 (Kan gets strong support from Obama over quake reconstruction): Kyodo reports that Prime Minister Naoto Kan received a strong pledge of support from U.S. President Barack Obama on Thursday while discussing over the phone the latest emergency situation following last week's massive earthquake and tsunami in northeastern Japan, government officials said. Obama promised to provide whatever assistance the United States can to help reconstruct Japan "not just for the time being...but in the medium and long terms," Chief Cabinet Secretary Yukio Edano said at a news

conference. Obama also said that the United States is ready to send additional nuclear experts to Japan to help deal with the danger at the Fukushima No. 1 nuclear power plant, Edano said. Kan told Obama that Japan is making its utmost efforts to contain the nuclear crisis and pledged to work closely with U.S. authorities involved in the ongoing work to avoid a serious disaster, according to Edano. The talks, initiated by Obama, lasted for about 30 minutes in the morning, the officials said. The two leaders held talks over the phone for the second time since Friday's quake, the most powerful recorded in Japan's history, which is projected to have claimed the lives of more than 10,000 people.

12:30 March 17, 2011, Thursday (press briefings by DM Kitazawa and CCS Edano): NHK aired live separate press briefings by Defense Minister Kitazawa and Chief Cabinet Secretary Edano. DM Kitazawa, who started his briefing at 11:27, explained details of JSDF helicopters' four rounds of water spraying operation this morning on the 3rd reactor at the Fukushima plant. Kitazawa said that, before the operation, the SDF determined the level of radiation in the air at 1,000 feet high was 4.13 millisieverts/hour and 87.7 millisieverts/hour at 300 feet. Kitazawa also said that 11 SDF fire trucks will also take part in the operation this afternoon and that the SDF will transport a pumping device that was provided by the U.S. military to TEPCO.

12:30 March 17, 2011, Thursday (press briefing CCS Edano): CCS Edano said in a separate press briefing that the GOJ set up on Wednesday an operation center at the Defense Ministry to help SDF's distribution of relief goods provided by local governments and private sectors. Prefectural governments will be the point of contact for this scheme, he said. In response to a question from a reporter concerning the apparent mixed information about the depth of the water at the storage pool for spent fuel rods at the 4th reactor, Edano admitted that there have been delays in communications between U.S. and Japanese experts concerning the issue. Edano stressed that the GOJ is trying to pass relevant information to the U.S. side in as timely a manner as possible

12:00 March 17, 2011 (Consulate General Sapporo update): All personnel and families are accounted for. Facilities are undamaged and fully operational. One Consulate General official and three locally employed staff have deployed to areas affected by the disaster in the Tohoku region, including Iwate and Miyagi prefectures and Misawa Air Base in Aomori prefecture. With consular personnel away from Sapporo, Post has suspended routine consular operations through March 18 and is focusing efforts on W/W cases and disseminating warden message information. The volume of calls has increased this morning. The USS Tortuga completed loading of JGSDF Northern Army equipment and personnel in Tomakomai, Hokkaido, at 1725 last night and was expected to arrive at the JMSDF base in Ominato, Aomori at 0930 this morning to begin offloading via landing craft. CNFI has advised there may be more delivery of heavy equipment to Sea of Japan ports in our consular district in coming days.

10:30 March 17, 2011, Thursday (GSDF Helicopters Drop Water on Reactors): At its 10:00 news program, NHK reported on GSDF helicopters' operation to spray water onto the 3rd and 4th reactors starting at 9:48. An NHK commentator said that the SDF decided to go ahead with the operation after determining that the radiation level in the area is acceptable for conducting the mission. He said that this is a very difficult operation because helicopters cannot stay in the area just above the reactor to pour water effectively due to concern over radioactivity, and that the water appears have sprayed out over the reactors because the choppers kept distance from the reactors for safety reasons.

10:30 March 17, 2011, Thursday (More rolling blackouts implemented): NHK reported at 10:30 that TEPCO, which plans to implement rolling blackouts in all five designated areas in the Kanto region, began to implement the major blackouts at around 9:20 in Chiba, Tochigi, and Saitama prefectures.

10:30 March 17, 2011, Thursday (Mizuho Bank ATMs malfunctioning): NHK reported that operation of ATMs of the Mizuho Bank nationwide have been stopped since this morning.

10:05 March 17, 2011, Thursday (NISA press conference, NHK live coverage of water dumping onto reactors): NHK aired a live press briefing by the Nuclear and Industrial Safety Agency (NISA) that started at 9:35. An NISA spokesperson explained the details of the ongoing efforts to cool reactors at the Fukushima No.1 nuclear power plant, including preparations by the SDF and the National Police Agency to pour water onto the troubled facilities. The spokesperson said that restoring electric power at the facilities is another key task. Following its coverage of the press conference, NHK aired live SDF helicopters' four consecutive operations to pour water onto the reactors starting at 9:48.

22:43 March 16, 2011, Thursday (CCS Edano on USG evacuation recommendation): Asked about the difference between the USG recommendation of an 80-km evacuation zone and the 20-km zone recommended by the Japanese government, Chief Cabinet Secretary Yukio Edano replied (unofficial translation), "It is natural for foreign countries to watch out for the well-being of their citizens. Accordingly, they have adopted a more conservative approach to the evacuation zone."

09:00 March 17, 2011 Thursday (US Embassy morning press summary): National dailies continued to give extensive front-page coverage this morning to the situation at the TEPCO Fukushima No.1 nuclear power plant. According to several papers, the National Police Agency has decided to send a high-pressure water cannon truck to the Fukushima plant to help extinguish the fire at the 4th reactor there. The papers also wrote that three GSDF helicopters, which were tasked with pouring water onto the 4th reactor from the air, were withdrawn due to high levels of radiation detected in the area. *Mainichi* reported on remarks on Wednesday by Defense Minister Kitazawa, in which he reportedly said that the U.S. military has offered TEPCO a special vehicle for extinguishing fires at the Fukushima plant. *Nikkei* led with a report saying that the yen's value against the U.S. dollar temporarily surged to 79.97 yen in New York, the highest in almost 16 years. Several papers front-paged Emperor Akihito's video message concerning the recent disaster in Japan that was aired on Wednesday.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--U.S. military bans personnel from entering 90-km radius of Fukushima plant): *Mainichi* ran an inside-page *Kyodo News* dispatch from Washington saying that a source connected to the U.S. Department of Defense said on Wednesday that the U.S. military has restricted U.S. military personnel from going within a 90-km radius of the Fukushima plant following the accidents there. *Nikkei* ran a similar inside-page report.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--U.S. military considering offering water-spraying device): *Nikkei* ran an inside-page report saying that the U.S. military has begun to consider bringing a "water-spraying bucket" from the U.S. to Japan to support Japan's efforts to cool the damaged reactors in Fukushima. According to the paper, the device would be loaded onto a helicopter to suck up seawater and pour it onto the nuclear facilities from the air. The paper wrote that U.S. Embassy Defense and Naval Attaché Captain Justin Cooper told the press on Wednesday that coordination between the U.S. military and Japanese authorities is being conducted at the joint operation center at Yokota AB.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--airlift efforts to be stepped up): *Asahi* ran an inside-page report saying that a U.S. military C-130 transport aircraft carrying a cargo of bottled water arrived at the ASDF Matsushima Air Base in Miyagi Prefecture on Wednesday, and GSDF trucks loaded with the water are headed to hospitals and temporary shelters in Miyagi and Iwate Prefectures. The paper wrote that the ASDF will begin full-fledged efforts to airlift food and medicine via the air base.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--Asian nations to step up quarantine against Japanese farm products): *Asahi* ran an inside-page report saying that Asian nations such as China and South Korea have begun to inspect food imports from Japan more strictly out of concern over possible radiation contamination in Japanese products. The paper wrote that it may become difficult to sell Japanese food, which has enjoyed a reputation for high quality abroad, in international markets in the future. In a separate article, the paper wrote that the GOJ decided on Wednesday to conduct random tests on Japanese agricultural products to determine potential radioactive contamination following the nuclear accidents in Fukushima. The paper conjectured that the measure is intended to ensure the safety of Japanese farm products and minimize the potential adverse effects on Japanese food exports.

09:00 March 17, 2011 Thursday (US Embassy morning press summary--Disarray between Kantei and TEPCO): *Yomiuri* wrote in an inside-page article that the Kantei and TEPCO have failed to establish smooth coordination over the handling of the situation at the Fukushima nuclear power plant, speculating that the permanent presence of METI Minister Kaieda and other senior GOJ officials at the GOJ-TEPCO joint taskforce center at the TEPCO building is evidence of the GOJ's distrust of TEPCO.

08:50 March 17, 2011 Thursday (Foreign Ministry steps up efforts to release quake-related info, urges calm, calls for reporting based on correct information): Kyodo reports that Japan's Foreign Ministry has stepped up efforts to disseminate information related to last Friday's powerful earthquake to other countries, amid intensifying global concern over the potential leak of a massive amount of radiation from the troubled nuclear power plant in Fukushima Prefecture, ministry officials said Wednesday. The ministry is planning to implement measures such as increasing the number of press conferences in English to counter exaggerated and false rumors that could seriously affect travel and trade between Japan and other countries, they said. It has already posted related information in English, Chinese and Korean on its website. The ministry has held press conferences for foreign media every day since Sunday. Officials of the Foreign Ministry and the Economy, Trade and Industry Ministry's nuclear safety agency have called for calm, explaining radiation levels and other information to foreign news organizations. The Foreign Ministry also plans to hold briefings for foreign embassies in Tokyo nearly every day until the situation calms down, the officials said. The ministry has instructed Japanese embassies and consulates overseas to swiftly respond to inquiries from local media and provide information about the latest developments in Japan, they said. At a press conference on Wednesday, Foreign Press Secretary Satoru Sato urged foreign reporters to act based on correct information, citing the need for the ministry to deal with overseas public opinion.

08:25 March 17, 2011 Thursday (NPA casualty reports as of 00:00 March 17, 2011): The Japanese National Police Agency (NPA) reports that latest casualty figures are 4,314 dead, 8,606 missing, 2,282 injured.

08:20 March 17, 2011 Thursday (Russia to evacuate diplomatic families in Japan from Friday): Kyodo reports from Moscow that the Russian Foreign Ministry announced Wednesday that it has decided to evacuate the families of diplomats working at the Russian Embassy in Tokyo, possibly from Friday, in the wake of radiation leaks from a nuclear power plant in northeastern Japan.

08:00 March 17, 2011 Thursday (116 nations, regions offer help to quake-hit Japan): As of Wednesday evening a total of 116 countries and regions, and 28 international organizations have offered assistance to Japan to deal with the aftermath of last Friday's earthquake and tsunami, the Foreign Ministry said. Rescue teams from 11 countries, including China, South Korea and the United States, have been working in devastated areas, according to the ministry.

18:00 March 16, 2011 Thursday (Update from Consulate General Naha): The situation in Okinawa remains calm, at least off-base, with none of the panic buying or fuel/food shortages we are seeing reported in other areas of Japan. Local leaders are actively considering options for how Okinawa can assist—such as by accepting large numbers of evacuees in Okinawa who have been made homeless for an extended period of time—but for the most part are waiting for clearer direction on the needs from Tokyo. There is more unease within the on-base American community over rumors of possible evacuation planning. There are significant Marine and Air Force assets from Okinawa being employed in the response effort. The media has been seized with the crisis, although it has maintained its ideological anti-base reporting at a steady but lower hum. Despite media efforts to downplay the U.S. role, we are receiving significant expressions of thanks for the U.S. response.

0800 March 17, 2011 (U.S. asks citizens in 80-km radius of Japan nuke plant to evacuate) – Kyodo reports that the U.S. Embassy in Japan has asked American citizens living within an 80-kilometer radius of the quake-hit Fukushima No. 1 nuclear plant in Japan to evacuate as a precautionary measure. "We are recommending, as a precaution, that American citizens who live within 50 miles (80 kilometers) of the Fukushima Nuclear Power Plant evacuate the area or to take shelter indoors if safe evacuation is not practical," the embassy said in the advice issued Thursday local time. Conditions such as weather and wind direction will affect the area of radioactive contamination in a complex way, the embassy said, adding that low-level radiation can reach areas more than 80 km away from the damaged nuclear power plant. The Japanese government currently sets the evacuation zone covering areas within a 20-km radius of the plant and advises those within a 30-km radius to stay indoors.

0700 March 17, 2011 (TEPCO remains unable to cool the pool storing the spent nuclear fuel rods at the 3rd and 4th reactors) NHK said on the 7 o'clock news that TEPCO remains unable to cool the pool storing the spent nuclear fuel rods at the 3rd and 4th reactors and that the National Police Agency's high pressure water vehicles are expected to pour water on the reactors starting this morning to prevent the reactors from leaking radiation. NHK also reported on the failure to cool the fuel at the No. 5 and No. 6 reactors, saying that the temperature at the 5th reactor rose to 63 degrees yesterday, up 5 degrees from the previous day, and to 60 degrees, up 4 degrees, at the 6th reactor.

05:54 March 17, 2011 Thursday (EU to inspect imported foods from Japan): According to Jiji Press, the EU revealed on March 16 that it had advised its member countries to check foods imported from Japan for radioactivity. Items subjected to inspection are imported foods and livestock feed after March 15. In addition to EU countries, Norway and Iceland will conduct inspection, too. According to the European Commission, the EU imported 65 million euro or approximately 7.3 billion Japanese yen worth of foods and livestock feed from Japan in the year of 2010.

03:29 March 17, 2011 Thursday (A Message to American Citizens from Ambassador John V. Roos):

The United States Nuclear Regulatory Commission (NRC), the Department of Energy and other technical experts in the U.S. Government have reviewed the scientific and technical information they have collected from assets in country, as well as what the Government of Japan has disseminated, in response to the deteriorating situation at the Fukushima Nuclear Power Plant. Consistent with the NRC guidelines that apply to such a situation in the United States, we are recommending, as a precaution, that American citizens who live within 50 miles (80 kilometers) of the Fukushima Nuclear Power Plant evacuate the area or to take shelter indoors if safe evacuation is not practical. We want to underscore that there are numerous factors in the aftermath of the earthquake and tsunami, including weather, wind direction and speed, and the nature of the reactor problem that affect the risk of radioactive contamination within this 50 mile (80 km) radius or the possibility of lower-level radioactive materials reaching greater distances. The U.S. Embassy will continue to update American citizens as the situation develops. U.S. citizens in need of emergency assistance should send an e-mail to JapanEmergencyUSC@state.gov with detailed information about their location and contact information, and monitor the U.S. Department of State website at travel.state.gov. The United States is continuing to do everything in its power to help Japan and American citizens who were there at the time of these tragic events. To support our citizens there, the Embassy is working around the clock. We have our consular services available 24 hours a day to determine the whereabouts and well-being of all U.S. citizens in Japan and we have offered our Japanese friends assistance, including disaster response experts, search and rescue teams, technical advisers with nuclear expertise, and logistical support from the United States military.

06:00 March 17, 2011 Thursday (Tokyo Metropolitan Government Radiation Measurements): The Tokyo Metropolitan Institute of Public Health publishes hourly radiation measurements taken at its facility in Hyakunin-cho, Shinjuku-ku, on its website (<http://ftp.jaist.ac.jp/pub/emergency/monitoring.tokyo-eiken.go.jp/monitoring/>). Measurements are given in μGy (microgray)/hr. One μG is roughly equal to one microsievert. Measurements for the early morning of March 17 ranged from 0.0490-0.0530 $\mu\text{Gy/hr}$.

06:00 March 17, 2011 Thursday (US-Japan Business Council Statement): The U.S.-Japan Business Council released a statement in Washington on March 16 expressing condolences to the people of Japan and pledging \$15 million to the relief effort. Responding to the question of assessing the material cost of the disaster, the USJBC said, "It is premature to make any kind of assessment in this early phase of this unprecedented disaster. Obviously there are many complications that will reverberate for months to come, but Japan is a strong and resilient country."

06:00 March 17, 2011 Thursday (Front-page headlines on Thursday morning's Japanese national dailies):

The followings are the headlines of major stories carried on Thursday morning by national dailies in Japan: "Spent Fuel Pools Boiling at Reactors 3 and 4, Immediate Cooling Necessary" (Mainichi); "Coolant Water Evaporates at 3rd Reactor" (Sankei); "Police to Mobilize Water Release Vehicle to Prevent Leakage of Radiation at 4th Reactor" (Yomiuri); "Police to Be Mobilized to Cool down Reactors" (Asahi); "Water Spray Car to Be Used to Cool down Reactors, U.S. Military Operates Unmanned Drone"

05:51 March 17, 2011 Thursday (Ambassador Roos expresses dissatisfaction about information provision by Japan): This morning's Sankei newspaper reported on a message addressed to American citizens on Wednesday by Ambassador Roos, in which he reportedly expressed displeasure at the lack of information on the nuclear crisis in Fukushima provided by the Japanese side. The Ambassador

reportedly stated: "We have had only limited access to information." According to the article, the Ambassador also expressed concern about the current situation in Fukushima by saying: "Many American citizens are anxious and have questions in the shadow of the Fukushima emergency. We are in the midst of a complex, constantly changing, and unpredictable situation."

05:31 March 17, 2011 Thursday (Austrian envoy explains relocation of embassy functions to Osaka): This morning's Asahi newspaper reported on remarks made by Austrian Ambassador to Japan Stefan-Bastil, who has moved her embassy's functions to Osaka. She reportedly said: "In addition to electricity blackout and traffic conditions in Tokyo, we factored in access to airports in the event of an emergency [in deciding the relocation]. We've moved to Osaka in consultation with our government back home because the situation in Fukushima remains uncertain." The daily added that ambassadors and other diplomats from many countries have taken part in informal briefing sessions regarding the nuclear troubles organized daily by MOFA.

05:04 March 17, 2011 (IAEA chief Amano to visit Japan possibly Thursday): Yukiya Amano, director general of the International Atomic Energy Agency, said Wednesday he will visit Japan, possibly on Thursday, to check the situation at the quake-hit Fukushima No. 1 nuclear power plant. "I plan to fly to Japan as soon as possible, hopefully tomorrow, to see the situation for myself and learn from our Japanese counterparts how best the IAEA can help," Amano said in a statement released by the IAEA.

At a news conference, Amano said of the nuclear power plant, "My assessment of the situation is that it is very serious," adding that "it is not the time to say things are out of control." He also said he would like to dispatch a team of experts to monitor the environment "as soon as possible." Details about locations where the team should be deployed as well as the duration of its stay in Japan are still being discussed. "It is like running and thinking," he said.

After his trip to Japan, where he intends to stay for one night, he wants to convene a Board of governors meeting in Vienna as soon as possible to report on the situation of the nuclear power plant to member states. On Tuesday, he told reporters that he would like to obtain more detailed information about the accidents at the nuclear power plant and is urging Japan to keep the agency posted. "There is a constant flow of information," he told journalists Wednesday. "But there is certainly room for improvement and I would like to address this issue when I go to Japan." Japan requested Tuesday the IAEA for assistance in environmental monitoring and the effects of radiation on human health. (Kyodo)

04:40 March 17, 2011 (Britain advises nationals in areas north of Tokyo to evacuate): Britain on Wednesday advised its nationals living in Tokyo and areas north of the Japanese capital to evacuate in light of an ongoing nuclear crisis at the quake-hit Fukushima No. 1 nuclear plant in northeastern Japan. It said the British Embassy in Japan plans to arrange free buses from Sendai, Miyagi Prefecture to Tokyo on Thursday for evacuating British nationals. It also advised against all non-essential travel to Tokyo and northeastern Japan. "For those outside the exclusion zone set up by the Japanese authorities there is no real human health issue that people should be concerned about," the Foreign Ministry said in a statement. "However, due to the evolving situation at the Fukushima nuclear facility and potential disruptions to the supply of goods, transport, communications, power and other infrastructure, British nationals currently in Tokyo and to the north of Tokyo should consider leaving the area," it said. (Kyodo)

04:04 March 17, 2011 (U.S. asks citizens in 80-km radius of Japan nuke plant to evacuate): The U.S. Embassy in Japan has asked American citizens living within an 80-kilometer radius of the quake-hit Fukushima No. 1 nuclear plant in Japan to evacuate as a precautionary measure. The advice was issued

Thursday local time while the Japanese government currently sets the evacuation zone covering areas within a 20-km radius of the plant. (Kyodo)

03:31 March 17, 2011 (White House advises AmCits within 50-mile radius to evacuate): TBS-TV website reported that the USG has recommended that American citizens leave areas within the 50 mile-radius of the Fukushima No. 1 nuclear plant. White House spokesman Carney told the press on Wednesday that this advisory was presented to President Obama by the Nuclear Regulatory Commission and was forwarded to the DOS. Pointing out the USG has said until now that it considers Japan's advisories, including staying sheltered for those who live from the 20 to 30 kilometers radius, as appropriate, the report said the USG apparently decided to take a step independent of Japan. Carney reportedly stated that the current situation at the Fukushima plant is "critical."

04:16 March 17, 2011 (DOD spokesman says no entry zone set as precautionary measure): NHK-TV's website reported at 4:16 that DOD deputy spokesman Lapan said on Wednesday that it has been decided that the U.S. military will not carry out normal operations within a 50 mile radius of the Fukushima No. 1 nuclear power station. He said this restriction was adopted as a precautionary step, explaining that American troops, upon authorization from supervisors, may perform necessary duties within the zone. Those personnel would be reportedly instructed to take potassium iodide pills before entering the restricted area.

(Various Times) March 16-17, 2011 (Foreign Embassy Advisories):

France: The French Embassy in Japan uploaded to its website the text of an answer by its Prime Minister François Fillon to a question about the earthquake in Japan raised in the French National Assembly held on March 15. In the answer, PM Fillon noted "There are normally almost 5,000 French citizens in the Tokyo area, of which 2,000 are still in the city. 280 (French) people with priority, mainly children, are scheduled to return to France via aircraft used by the civil security unit and the Embassy, if circumstances warrant it, will distribute 10,000 iodine tablets to French citizens residing in Japan. Also, we are calling on those who don't necessarily need to remain in Tokyo to return to France immediately or move to southern Japan. Moreover, the French government has requested Air France to mobilize its airplanes located in Asia in order to immediately respond to demands from French residing in Japan." Separately, Jiji Press reported two Air France aircrafts were headed to Japan, in response to the request from the French government.

Turkey: Jiji Press also reported that the Turkish Ministry of Foreign Affairs issued a statement on March 16 to advise its nationals to defer non-essential and non-urgent travel to Japan, and that the Mexican government is considering hiring charter flights and planning to cover the expense of return flights for its nationals in Japan.

Philippines: Jiji Press reported Philippine Acting Foreign Affairs Secretary Albert F. del Rosario making a statement on March 16 that there is no plan to evacuate its over 300,000 nationals from Japan. The Philippine Ministry of Foreign Affairs issued a statement (<http://dfa.gov.ph/main/index.php/newsroom/dfa-releases/2712-philippine-embassy-committed-to-safety-of-filipinos>) urging that Filipinos follow the evacuation orders of Japanese authorities. It further suggested that Filipinos (including Embassy staff and dependents) concerned about radiation exposure consider voluntary relocation to areas further away at their own expense.

04:00 March 17, 2011 (NRC provides protective action recommendations based on U.S. Guidelines)

Under the guidelines for public safety that would be used in the United States under similar circumstances, the NRC believes it is appropriate for U.S. residents within 50 miles of the Fukushima reactors to evacuate.

Among other things, in the United States protective actions recommendations are implemented when projected doses could exceed 1 rem to the body or 5 rem to the thyroid. A rem is a measure of radiation dose. The average American is exposed to approximately 620 millirems, or 0.62 rem, of radiation each year from natural and manmade sources.

In making protective action recommendations, the NRC takes into account a variety of factors that include weather, wind direction and speed, and the status of the problem at the reactors.

Attached are the results of two sets of computer calculations used to support the NRC recommendations (see attachment).

In response to nuclear emergencies, the NRC works with other U.S. agencies to monitor radioactive releases and predict their path. All the available information continues to indicate Hawaii, Alaska, the U.S. Territories and the U.S. West Coast are not expected to experience any harmful levels of radioactivity.

00:00 March 17, 2011 Thursday: The National Police Agency's updated casualty figures from the March 11 earthquake and tsunami as of midnight March 17 are as follows: 4,314 deaths, 8,606 missing persons, and 2,282 injured persons.

04:00 March 17, 2011 Thursday

03:13 March 17, 2011 Thursday (U.S. military considering offering watering buckets): Nikkei reported on its website that the U.S. military is mulling bringing watering buckets from the U.S. for use at the trouble-ridden nuclear power plant in Fukushima so as to dump a large volume of water onto the overheating nuclear reactors. A U.S. military source said it is uncertain whether such buckets will be mounted on U.S. choppers or be loaned to SDF helicopters. The daily added that the USG appears to be strongly committed to restoring a relationship of trust with Japan through disaster relief cooperation, quoting a U.S. Embassy Tokyo source as saying: "We have been told repeatedly by a top U.S. military leader that 'we will not spare any cooperation. Please forward to us whatever requests you have.'"

02:27 March 17, 2011 Thursday (Seawater to be showered onto 4th reactor): NHK-TV's website reported on the National Police Agency's plan to mobilize a specially-tailored water releaser vehicle for use at Fukushima No. 1 nuclear power station. The vehicle will reportedly be used to shower seawater onto the 4th reactor where the temperature at a nearby spent fuel pool appears to be rising. The operation is likely to start as early as this morning.

01:57 March 17, 2011 Thursday (TEPCO corrects abnormal data from troubled reactor): Nikkei's website reported that TEPCO officials told reporters at midnight that the earlier-announced figure concerning pressure inside the containment vessel at the 2nd reactor was wrong. Pointing out that the 45 kilopascal measurement that TEPCO gave earlier as the level of pressure inside the vessel on Wednesday signaled that air laced with radiation may have been leaked out of it, the daily said the correct number turned out to be 450 kilopascals, a figure which would not indicate an abnormality.

01:34 March 17, 2011 Thursday (Pentagon declares 50 mile no-entry zone around Fukushima plant):

Nikkei's website reported that a DOD spokesman revealed that the U.S. military has issued a notice prohibiting personnel from entering a zone within the 50 mile radius of the Fukushima No.1 nuclear power station. The article said the U.S. military is prepared for assisting Japan's relief efforts while ensuring that service members are spared from radiation exposure.

01:04 March 17, 2011 Thursday (PM Kan spoke with UN SecGen Ban): NHK-TV reported at 1:04 that Prime Minister Kan spoke by phone with UN Secretary General Ban Ki-Moon on Wednesday evening and promised that the GOJ will provide the international community with all necessary information regarding the ongoing nuclear troubles in Fukushima. Ban stated in reply that his organization will offer all-out support for Japan's efforts to deal with the crisis.

01:04 March 17, 2011 Thursday (More than 110 countries offer support for disaster relief): NHK's website reported that a total of 116 countries and regions, as well as 28 international organizations, have offered help for search and rescue and other disaster relief operations. The U.S., South Korea, and other countries have sent rescue teams, while Canada and several other countries have offered to send medical professionals. Nuclear experts from the U.S., France, Britain, as well as IAEA, are also arriving to assist Japan's efforts to deal with the nuclear crisis in Fukushima.

00:31 March 17, 2011 (Foreign journalists begin leaving Japan): Yomiuri reported on its website that foreign news organizations, including a French radio station and an Israeli TV outlet, have begun pulling their reporters and technicians out of Japan, apparently out of concern over possible radiation exposure. The daily added that some foreign diplomatic missions have also taken similar steps, highlighting a Russian decision to evacuate family members of Tokyo-based diplomats out of Japan starting on Friday.

From: RMTPACTSU_INC <RMTPACTSU_INC@ofda.gov>
Sent: Saturday, March 19, 2011 8:14 AM
Subject: DART Call Notes - March 19, 2011, 0700 hours EDT

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Pacific Tsunami and Japan Earthquake DART-RMT Call Notes
March 19, 2011; 0700 hours EDT, 2000 hours JST

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The next Pacific Tsunami DART-RMT Call is scheduled for March 20 at 0700 hours EDT or 2000 hours JST.

Helen Ho and Alison Lapp

Information Coordinators

Pacific Tsunami and Japan Earthquake Response Management Team

RMTPACTSU_INC@ofda.gov

202-712-0039

From: RMTFACTSU_ELNRC <RMTFACTSU_ELNRC@ofda.gov>
Sent: Saturday, March 19, 2011 8:10 AM
To: RMT_FACTSU; DART_FACTSU
Subject: USNRC Earthquake-Tsunami Update - 0600 EDT (March 19, 2011)
Attachments: USNRC Earthquake-Tsunami Update.031911.0600EDT.pdf

Subject: USNRC Earthquake-Tsunami Update - 0600 EDT (March 19, 2011)

Attached, please find an 0600 EDT March 19, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Thanks,
Christine

Christine A. Steger
US Nuclear Regulatory Commission
Christine.Steger@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: Perks, Dewey(DCHA/OFDA) <dperks@usaid.gov>
Sent: Saturday, March 19, 2011 7:58 AM
To: OFDAGOV: DART_PACTSU
Subject: Fw: Japan: survivor found

From: Gustafson, Rebecca (DCHA/OFDA)
To: Perks, Dewey(DCHA/OFDA); Potts, Sarah(DCHA/OFDA)
Sent: Sat Mar 19 07:25:47 2011
Subject: Re: Japan: survivor found

Tohoku region HQ of Ground Self Defence Force told CNN that the young man rescued from his house Saturday morning was actually visiting his house temporary from a evacuation center when he was rescued. details of his action is not known at this moment.

From: Perks, Dewey(DCHA/OFDA)
To: Gustafson, Rebecca (DCHA/OFDA); Potts, Sarah(DCHA/OFDA)
Sent: Fri Mar 18 23:01:29 2011
Subject: Re: Japan: survivor found

Goes right to my explanation to the DART...these are not rescues; these are assists to the population...RG - these needs to be spun and sent to Bill as a TP...

From: Gustafson, Rebecca (DCHA/OFDA)
To: Perks, Dewey(DCHA/OFDA); Potts, Sarah(DCHA/OFDA)
Sent: Fri Mar 18 22:49:20 2011
Subject: Fw: Japan: survivor found

From: McConnell, Dugald <(b)(6)>
To: Jackson, Gina (LPA/AA); Gustafson, Rebecca (DCHA/OFDA); michael.schaff@fairfaxcounty.gov
<michael.schaff@fairfaxcounty.gov>
Sent: Fri Mar 18 22:46:13 2011
Subject: Japan: survivor found

(Some miles south of Ofunato, where USAID worked)

Japan Self Defense Forces confirm the following:

The young man was found at approximately 9am this morning in a house in the town of Motoyoshicho, Kessenuma city admitted to the city hospital.

Japanese media reports that he was found in his home in a bed wrapped up in a futon. He was not in critical condition. The town that he was living in was washed away by the tsunami. His name is Katsuharu Moriya. He is in his twenties.

From: LIA07 Hoc
Sent: Saturday, March 19, 2011 6:18 AM
To: Liaison Japan
Subject: Status Update - 0600 EDT, March 19, 2011
Attachments: USNRC Earthquake-Tsunami Update.031911.0600EDT.docx

Attached, please find an 0600 EDT March 19, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Thanks,
Christine

Christine A. Steger
US Nuclear Regulatory Commission
Christine.Steger@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: RMTPACTSU_CRC <RMTPACTSU_CRC@ofda.gov>
Sent: Saturday, March 19, 2011 6:14 AM
Subject: Daily Contact list 3.19.11
Attachments: Daily Contact List.(3.19.11).xls

Hi,

Here's the latest contact list. Please let us know if we need to make any changes.

Cheers,
Chris

Chris Silks
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_crc@ofda.gov
202-712-0036

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Updated March 19, 19:30

DART/RMT - Pacific Tsunami

(RMT phone) 202 712-0039 • (RMT fax) 202 216-3269

RMT_PACTSU@ofda.gov

Office	Name	Office Phone	Contact Info	Cell Phone	Email	Location
Washington DC						
RESPONSE DIRECTOR						
DCHA/OFDA/Director	Mark Bartolini	x 24368			mbartolini@usaid.gov	
Staffing Approval Contact	Aimee Lauer		703-459-6824		alauer@usaid.gov	
RMT						
Response Manager	Kathleen Martin (am)	x 20002			RMTFACTSU_RM@ofda.gov	8th FLOOR OPS
	Cara Christie (pm)	x 20002			RMTFACTSU_RM@ofda.gov	
Dep. Mgr Operations	Christine Leonardo	x 20008			RMTFACTSU_DMO@ofda.gov	
Dep. Mgr Planning	Gavi Rosenthal	x 20003			RMTFACTSU_DMP@ofda.gov	
Planning Coordinator	George Siasoco	x 20033			RMTFACTSU_PC@ofda.gov	
Logistics Coordinator	Todd Home	x 25706			RMTFACTSU_LC@ofda.gov	
	Rob Thibault	x 20556			RMTFACTSU_LC@ofda.gov	
	Pat Long (pm)	x 25706			RMTFACTSU_LC@ofda.gov	
	Xai Olson	x 25706			RMTFACTSU_LC@ofda.gov	
C&R Coordinator	Katie Johnston (am)	x 20036			RMTFACTSU_CRC@ofda.gov	
	Chris Silks (pm)	x 20036			RMTFACTSU_CRC@ofda.gov	
CRO	Tania Tam	x 20039			RMTFACTSU_CRO@ofda.gov	
Admin Coordinator	Natalya Johnson	x 20031			RMTFACTSU_AC@ofda.gov	
Information Coordinator	Helen Ho	x 21139			RMTFACTSU_INC@ofda.gov	
	Diedra Spencer	x 20039			RMTFACTSU_INC@ofda.gov	
	Allison Lapp	X 21139			RMTFACTSU_INC@ofda.gov	
MLO	Steve Catlin	x 20034			RMTFACTSU_MLO@ofda.gov	
	Steve Katz	x 25711	908-565-1249		RMTFACTSU_MLO@ofda.gov	
DOD/JCS Liaison	LTC Jeff Peterson	x 20033	703-303-4237		RMTFACTSU_DoDJCS@ofda.gov	
	Doug Brown	x 21009 (no vm)			RMTFACTSU_DoDJCS@ofda.gov	
Press Officer	Rebecca Gustafson	x 20123			RMTFACTSU_PRO@ofda.gov	
ELC	Rhonda Davis Stewart (am)	x 20032			RMTFACTSU_ELC@ofda.gov	
	Phil Gelman (pm)	x 20032			RMTFACTSU_ELC@ofda.gov	
ELO	Gari Mayberry	x 20042 (no vm)			RMTFACTSU_ELO@ofda.gov	
SSO	Raphael Alequin	x 20731			RMTFACTSU_SSO@ofda.gov	
SRO	Jerome Williams (am)	x 24381	571-436-7144		RMTFACTSU_SRO@ofda.gov	
	Don Mahike (pm)	x 24381			RMTFACTSU_SRO@ofda.gov	
GIU	Chad Blevins	703-725-7697			RMTFACTSU_GIO@ofda.gov	
	Brendan Bartow				RMTFACTSU_GIO@ofda.gov	
	Dong Chung				RMTFACTSU_GIO@ofda.gov	
DOE Liaison	Steve Buntman	x 24382			RMTFACTSU_DOE@ofda.gov	
	Matt Bruhn	x 24382			RMTFACTSU_DOE@ofda.gov	
PACOM Liaison	Jack Reimann	x 25316 (no vm)			RMTFACTSU_PACOM@ofda.gov	
State Ops Liaison	Dana Banks	x 20996			RMTFACTSU_STATE@ofda.gov	
	Paul Narain (weekend)	x 20996				
Asia Regional Bureau	Bob Birkenes, POC	x 20993 (no vm)			RMTFACTSU_ALOAsia@ofda.gov	
	Sana Hussein	202-712-5636			shussein@usaid.gov	
	Kishori Kedlaya	x 25498			kkedlaya@usaid.gov	
LAC Regional Bureau	Olivia Lopez, POC	202-712-0262	510-290-8442		RMTFACTSU_ALOLAC@ofda.gov	
DCHA/OMA	Greg Jicha	202-712-4157			gjicha@usaid.gov	
	David Bendana	202-712-1358			dbendana@usaid.gov	
	Todd Goehler	202-712-1509			tgoehler@usaid.gov	
NRC Liaison officer	Mike Dudek (am)	x 24384			RMTFACTSU_ELNRC@ofda.gov	

(b)(6)

STATE						
Ops Center: State Japan Earthquake Task Force		202-647-6611			taskforce-1@state.gov	
Country Desk Officer	Heather Dresser	202-647-1512				
Embassy of Country						
Visas	Alvin Abernathy	202-661-9340		(b)(6)	aabernathy@ofda.gov	
USAID Misc						
Special Assist. AID/A	Liz Jaff	x 21156	515-779-1415		lmpactsu_aoadmin1@ofda.gov	
	Ryan Harper				lmpactsu_aoadmin2@ofda.gov	
DCHA/OFDA/DD	Carol Chan	202-712-0801			cchan@usaid.gov	
DCHA/DAA	Mark Ward	202-712-0702			mward@usaid.gov	
DC Based Partners						
State Ops Center		202-647-1512				
NRC Embassy Line		03-3224-5066				
NSS EOP	Keri Lowry	(b)(6)	(b)(6)	cell	(b)(6)	
OMB	Nancy Schwartz	202-395-7560	301-229-1724			
Interaction	Linda Poteat	202-552-6526			lpoteat@interaction.org	
	Jim Bishop				jbishop@interaction.org	
Interaction Hotline		202-667-8227				
CIDI	Richard Muffley	202-783-0081			rmuffley@cidi.org	
CIDI Hotline		703-276-1914				
DFID	Ian Howard Williams, Response Manager	0044-7901-558-124			i-howard-williams@dfid.gov.uk	
NOAA	James Turner	202-482-6076	(b)(6)	(h)	(b)(6)	james.turner@noaa.gov
State Task Force WHA rep	Dave Hermann				hermanndc@state.gov	
Department of Energy (DOE) Watch	David Bowman	202-586-8100			David.Bowman@mmsa.doe.gov	
DOE Nuclear Incident Team (NIT)		202-287-2355 (STE)			nitops@mmsa.doe.gov	
USARJ LNO to Northern Army	MAJ Nebeker	080-1008-1807		(b)(6)		
OSD- Office of Sec. of Defense	24-hour watch					
FFX USAR Support Center		703-815-5523				
FFX USAR	Brenda Bauman	703-803-2102				
LACo USAR	Battalion Chief Stephen M. Davis	818-890-5700		(b)(6)	cell	
LA County USAR Support Center	Monitored by 24 Hour Support Team	818-890-5700				

Office	Name	Office Phone	Contact Info	Cell Phone	Email	Location
FIELD						
DART						
Tokyo Hotel Information	Hotel Okura	81-3-3582-111				2-10-4 Toranomon, Minatu-ku Tokyo 105-0001
USAR BoO (Base of Operations)		88-165-145-2197 88-163-251-2204 88-165-145-2144 (USA 1) 88-164-141-9723 (USA 2) 88-164-141-9720 (USA 2)				
Team Leader	Bill Berger		(b)(6) (b)(6) cell	(b)(6)	wberger@ofda.gov wberger@usaid.gov	Tokyo
Deputy Team Leader	Courtney Brown		(b)(6) (bb)		cnbrown@ofda.gov	Tokyo
Press Officer	Dave Stone				dstone@ofda.gov	Ofunato
Information Officer	Erin Magee				emagee@ofda.gov	Tokyo
Field Officer	Amy Sink		(b)(6) (bb)		asink@ofda.gov	Tokyo
Operations Coordinator	Dewey Perks		(b)(6) (bb)		dperks@usaid.gov	Ofunato
Admin Coordinator	Sarah Potts		(b)(6) (bb)		spotts@ofda.gov	Ofunato
COMMS Officer	Marco Rivera	703-247-6689			mrivera@ofda.gov	Tokyo
Logistics Coordinator	Travis Betz	202-344-0016			tbetz@ofda.gov	Misawa
MLO	Yoni Bock	813-827-5271	(0) 425 522-511, ext 54329 or 52469, or 53137		ybock@usaid.gov	Yokota
MLO	Tom Frey				tfrey@ofda.gov	
SSO	Bill Laspina		(b)(6) cell		blaslina@usaid.gov	
Branch Chief for the HHS Team	Chris Howard		(b)(6) cell		choward@usaid.gov	
Branch Chief for NRC Team	CAPT Joe Hughart	678-569-3938			jhughart@ofda.gov	Tokyo
NRC Liaison	Jim Trapp	(b)(6) SAT Phone			(b)(6) dartNRCliaison2@ofda.gov	Tokyo
NRC Liaison	Tony Ulises	(b)(6) SAT PHONE			Anthony.Ulises@nrc.gov dartNRCliaison1@ofda.gov	Tokyo
NRC	Richard Devercelly				richard.devercelly@nrc.gov	
NRC	Timothy Kolb				timothy.kolb@nrc.gov	
NRC	Chuck Casto				chuck.casto@nrc.gov	
NRC	William Cook				william.cook@nrc.gov	
NRC	Tony Nakanishi				tony.nakanishi@nrc.gov	
NRC	Jack Foster				jack.foster@nrc.gov	
NRC	John Monninger				john.monninger@nrc.gov	
NRC	Brooke Smith				brooke.smith@nrc.gov	
NRC	Kirk Foggie				kirk.foggie@nrc.gov	
NRC	Bruce Howard				bruce.howard@nrc.gov	
DOE Liaison	Alan Lloyd Rerrick		(b)(6) (bb)		alakerick@msa.doe.gov dartDOELiaison1@ofda.gov	Tokyo
DART office number:		81-3-3224-5016				
Field Based Partners						
GOJ Ministry of Foreign Affairs	Ms. Setsuko Kawahara	81-3-5501-8000			setsuko.kawahara@mofa.go.jp	
GOJ/MFA Deputy Director	Mr. Naoki Mitori	03-3-5501-8000				

USAID/OFDA Regional Office						
USAID Bangkok	Al Dwyer	(011) 66-2-257-3271	202-407-3358	(b)(6)	adwyer@ofda.gov	
BKK Liaison	Tony Slitt - Liaison				tsslitt@ofda.gov	
US Embassy/Japan						
Ambassador	John Roos					
PAO @ Embassy	Karen Kelley					
State Energy	Tim Cipullo					
DOE Liaison	Ron Cherry					
Pol-Mil POC	Tim Hefner5				hefnerb@state.gov TokyoPolMilUnit@state.gov	
Pol-Mil	Chief Joe Young					
Pol-Mil	Laura Till				llila@state.gov	
Pol-Mil	Ken (Kenichiro) Toko					
USAID Mission						
MDRO	John Beed	81-3-3224-5015			beedja@state.gov	
AMDRO	Rie Yamika	81-3-3224-5276/5000			YamakiRX@state.gov	
COCOMs						
PACOM	Rob Andrew	808-477-9641			randrew@ofda.gov	
	Watch Director	808-477-7377				
	JOC	DSN 315-477-7375				
	J4	808-477-7210				
	USFJ	J5 BCAT DSN 315-225-4329			(b)(6)	

From: RMTPACTSU_SRO <RMTPACTSU_SRO@ofda.gov>
Sent: Saturday, March 19, 2011 5:46 AM
To: DART_PACTSU; RMT_PACTSU [REDACTED] (b)(6); USAR Support Fairfax
Subject: Dewey/USAR update

Per phone conversation with Dewey @ 0540 EST,
Both teams are ready to go. In-processing will begin at 1900 JST with anticipated departure time of 2300 hrs JST. The equipment cache load is being finalized and will be stored in secure storage until it departs on Wed the 23rd in Japan. Dewey stated due to the processing, he will probably not be on the 0700 EST DART/RMT call.

SRO-night
Mahlke

From: Laspina, Bill(DCHA/OFDA) <blaspina@USAID.GOV>
Sent: Saturday, March 19, 2011 5:33 AM
To: OFDAGOV: Rivera, Marco; OFDAGOV: DART_PACTSU
Cc: OFDAGOV: RMTPACTSU_AC
Subject: Comms needs

All,

Have arrived at the Hotel (M1057) Standing by.

Bill

Bill Laspina

OFDA/OPS/MLU

BB (b)(6)

Cell (b)(6)

blaspina@usaid.gov

-----Original Message-----

From: Rivera, Marco [mailto:mriviera@ofda.gov]
Sent: Friday, March 18, 2011 6:24 PM
To: OFDAGOV: DART_PACTSU
Subject: Comms needs

Team, we have people headed our way from DC in the next few days. I have made the additional request for more sat phones and a bgan. If there is anything you think you may need please let me know as soon as possible and I will coordinate delivery. Thank you.

From: RMTPACTSU_CRC <RMTPACTSU_CRC@ofda.gov>
Sent: Saturday, March 19, 2011 4:56 AM
To: RMT_PACTSU; DART_PACTSU
Cc: Dwyer, Alan (RDMA/OFDA) [USAID]; Siasoco, George(DCHA/OFDA) [USAID]
Subject: DART-RMT internal call 7an EDT/8pm JST

Greetings Dart and RMT,

The next DART-RMT internal call is Saturday **7am EDT/8pm JST**.

1-888-363-4749 (USA Toll Free)

215-446-3662 (USA Caller Paid/ International Toll)

Access Code: (b)(6)

Thanks,
Chris

Chris Silks
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_crc@ofda.gov
202-712-0036

From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Saturday, March 19, 2011 3:04 AM
To: Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony
Subject: FW: PACOM AND PACFLT VISIT MOVE FROM SUNDAY TO MONDAY

FYI re: schedule for NRC/USAID brief to PACOM and PACFLT on Monday.

This email is UNCLASSIFIED _____

From: Atienza, Robert T
Sent: Saturday, March 19, 2011 2:28 PM
To: Angelov, Bonnie A; Tokyo Staff Assistant; Hinds, Lynda J; Beed, John; McCormack, Matthew C; Cherry, Ronald C
Cc: Vue, Crystal R GS-06 USFJ J022; Chipman, Alan R; Cooper, Justin D
Subject: PACOM AND PACFLT VISIT MOVE FROM SUNDAY TO MONDAY

All,

Just received a call from USFJ, PACOM and PACFLT visit now moved to Monday vice Sunday. Tentative schedule is:

1100-1145 NRC and USAID Brief

1145-1245 OC with AMB

1300-1600 Meeting with General Oriki

Bonnie,

Thanks for adding the OC in AMB's schedule.

Ron, John,

I reserved the 9th floor conference room for the NRC and USAID brief from 1100 to 1145.

Matt,

We'll send the VAA and forward vehicle info as soon as we receive it.

Appreciate your assistance and more info to follow.

VR Rob

LT Robert Atienza, USN
Operations Coordinator
Defense Attache Office

U.S. Embassy Tokyo, Japan
atienzart@state.gov (NIPRNET)
(b)(6) (SIPRNET)
033-224-5391 (COMM)

315-224-5391 (DSN)

~~FOR OFFICIAL USE ONLY: This message may contain personnel data or information covered by the Privacy Act of 1974. Please ensure this information is protected from unauthorized access and/or disclosure.~~

From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Saturday, March 19, 2011 3:02 AM
To: NITOPS; JapanEmbassy, TaskForce; Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony
Subject: Canadian Interest in collaboration on Fukushima modeling

All – Please note interest by Canada to coordinate with US modelers on Fukushima Daiichi.

This email is UNCLASSIFIED.

From: Christopher.Burton@international.gc.ca [mailto:Christopher.Burton@international.gc.ca]
Sent: Saturday, March 19, 2011 2:06 PM
To: Cherry, Ronald C
Cc: Duncan, Aleshia D
Subject: Re: Exploring interest to undertake a Joint Demarche RESTRICTED

Hi Ron,

Great talking to you just now. I really appreciate your help. As we discussed, Canada has been asked by the IAEA to provide some modelling support regarding Fukushima scenarios, but to do this accurately we need information about "numbers, types, "burn-up" and location of fuel elements within reactors and spent fuel storage pools.". Unfortunately, we have been unable to get this information since Japan has not acquiesced to its release by the IAEA.

Any help your side can offer in sharing this type of information would be much appreciated. As you say, it may be most efficient for your modeling people to talk to our modeling people. I'm not in direct communication with our modelers, but I'd appreciate if you could pass along the following three contact people. They all work on nuclear issues in the Canadian foreign ministry (first one is in Ottawa and the other two are in Vienna).

Contacts are:
terry.wood@international.gc.ca
anthony.hinton@international.gc.ca
shawn.caza@international.gc.ca

Thanks a lot for your help. Let's keep in touch.

Best regards,
Chris Burton

From: Cherry, Ronald C <CherryRC@state.gov>
To: Burton, Christopher -TOKYO -GR
Cc: Duncan, Aleshia D <DuncanAD@state.gov>
Sent: Sat Mar 19 00:08:28 2011
Subject: FW: Exploring interest to undertake a Joint Demarche RESTRICTED

Dear Christopher,

Our DCM, Jim Zumwalt, asked me to follow up with you. Please give me a call or email me and I'll be happy to discuss.

Regards,

Ron Cherry
Ronald C. Cherry
Energy Attaché
Director, DOE Japan Office
U.S. Embassy Tokyo
Tel. (0)3-3224-5444
Fax (0)3-3224-5769
Cell (b)(6)
email CherryRC@state.gov

This email is UNCLASSIFIED.

From: David.Fitton@fco.gov.uk [mailto:David.Fitton@fco.gov.uk]
Sent: Friday, March 18, 2011 6:08 PM
To: Robert.Derouin@international.gc.ca; Zumwalt, James P; brendon.hammer@dfat.gov.au; mark.pearson@mfat.govt.nz; Martin.Hatfull@fco.gov.uk; David.Ellis@fco.gov.uk
Cc: Deborah.Paul@international.gc.ca; Christopher.Burton@international.gc.ca
Subject: Re: Exploring interest to undertake a Joint Démarche RESTRICTED

CLASSIFICATION: RESTRICTED

Robert and james

For the sake of completeness I am copying in my two co-managers - Martin H and David E. Could you pl copy to all 3 of us until further notice pl?

I am back on duty at 22.00.

DF
David Fitton (from mobile)

From: Robert.Derouin@international.gc.ca <Robert.Derouin@international.gc.ca>
To: ZumwaltJP@state.gov <ZumwaltJP@state.gov>; David Fitton (Restricted); brendon.hammer@dfat.gov.au <brendon.hammer@dfat.gov.au>; mark.pearson@mfat.govt.nz <mark.pearson@mfat.govt.nz>
Cc: Deborah.Paul@international.gc.ca <Deborah.Paul@international.gc.ca>; Christopher.Burton@international.gc.ca <Christopher.Burton@international.gc.ca>
Sent: Fri Mar 18 08:21:57 2011
Subject: Re: Exploring interest to undertake a Joint Démarche

Thanks for the useful update James, much appreciated. Christopher Burton is our nuclear contact and Deborah Paul is handling disaster assistance, both are copied.

From: Zumwalt, James P <ZumwaltJP@state.gov>
To: Derouin, Robert -TOKYO -GR; david.fitton@fco.gov.uk <david.fitton@fco.gov.uk>; brendon.hammer@dfat.gov.au <brendon.hammer@dfat.gov.au>; mark.pearson@mfat.govt.nz <mark.pearson@mfat.govt.nz>
Sent: Fri Mar 18 15:42:30 2011
Subject: RE: Exploring interest to undertake a Joint Démarche

Robert

(b)(5)

Let's stay in touch,

Jim

James P. Zumwalt
Deputy Chief of Mission
U.S. Embassy, Tokyo
1-10-5 Akasaka
Minato ku Tokyo 107-8420
(03) 3224-5550
<http://tokyo.usembassy.gov/zblog/e/zblog-email.html>

SBU
This email is UNCLASSIFIED.

From: Robert.Derouin@international.gc.ca [mailto:Robert.Derouin@international.gc.ca]
Sent: Friday, March 18, 2011 3:23 PM
To: david.fitton@fco.gov.uk; Zumwalt, James P; brendon.hammer@dfat.gov.au; mark.pearson@mfat.govt.nz
Subject: Exploring interest to undertake a Joint Démarche

Dear Colleagues,

(b)(5)

(b)(5)

Best regards,
Bob

TALKING POINTS

-
-
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-

(b)(5)

Visit <http://www.fco.gov.uk> for British foreign policy news and travel advice and <http://blogs.fco.gov.uk> to read our blogs.

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~~All messages sent and received by members of the Foreign & Commonwealth Office and its missions overseas may be automatically logged, monitored and/or recorded in accordance with the Telecommunications (Lawful Business Practice) (Interception of Communications) Regulations 2000.~~

From: Brown, Courtney <cobrown@ofda.gov>
Sent: Saturday, March 19, 2011 2:17 AM
To: DART_PACTSU
Subject: Field call at 1700

Use the usual call in number and access code.

From: Kolb, Timothy
Sent: Saturday, March 19, 2011 1:52 AM
To: Monninger, John
Subject: Fire fighting equip

John,

I wasn't aware that there was a problem with firefighting equip. I am at the airport so call me if you need any info.
Tim

From: Kolb, Timothy
Sent: Saturday, March 19, 2011 1:44 AM
To: Monninger, John
Subject: Equipment for Firefighting equip

From: LIA11 Hoc
Sent: Saturday, March 19, 2011 1:01 AM
To: Monninger, John
Cc: RST01 Hoc; RMTPACTSU_ELNRC
Subject: In-Country Lead for Pumping System

John,

We have heard that Tim Kolb is on his way back to the states and that Rick Devercelly has been appointed the point person in-country for the pumping system we are having Bechtel put together.

Two questions:

- 1) Is this information correct?
- 2) Is Rick awake and able to give me a quick update regarding what logistics info you guys have and what you need from us? (I though Rick was on back shift, and I don't think it's worth waking him up)

I understand the next conference call for all parties is at 0600 EDT Saturday.

Thanks for any help you can provide. Please let me know if you have any questions or concerns.

Scott Sloan

From: Betz, Travis <Tbetz@ofda.gov>
Sent: Saturday, March 19, 2011 12:20 AM
To: RMTPACTSU_LC
Cc: DART_PACTSU
Subject: Departure

Pat,

We are trying for a 2200 departure from Misawa. Can you maintain comm with the FF and call wheels up?

Travis

From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Saturday, March 19, 2011 12:16 AM
To: USFJ-CAT-RCMT; Lim, Jin Maj USAF USFJ; Collier, Andrew H. CDR USN MDAO; Ulses, Anthony
Cc: Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony
Subject: RE: Bechtel Unmanned Water Pump Capability

Rob,

We can't open the second attachment. Could you resend that in MS Word?

Thanks.

Ron

This email is UNCLASSIFIED

-----Original Message-----

From: Mercer, Robert LCDR USN USFJ J3 [mailto: (b)(6)] On Behalf Of USFJ-CAT-RCMT
Sent: Saturday, March 19, 2011 11:19 AM
To: Lim, Jin Maj USAF USFJ; Cherry, Ronald C; Collier, Andrew H. CDR USN MDAO; anthony.ulses@nrc.gov
Cc: USFJ-CAT-RCMT
Subject: FW: Bechtel Unmanned Water Pump Capability
Importance: High

<<Japan Items.doc>> <<Japan Items.doc>> Good morning,

Can you please try to confirm this assessment through your contacts and/or discussion with TEPCO.

(b)(5)

Thanks in advance for your assistance.

Very Respectfully,
LCDR Rob Mercer

-----Original Message-----

From: Mercer, Robert LCDR USN USFJ J3 On Behalf Of USFJ-CAT-RCMT
Sent: Saturday, March 19, 2011 11:15 AM
To: USFJ-CAT-CHIEF; USFJ-CAT-J3; Stackpole, Patrick T COL USA USFJ J0; Jaje, Michael S LTC USA USFJ J30; Holbrook, Stewart W CAPT USN USFJ J2; Jerabek, Scott B CAPT USN USFJ J02d; Curry, Timothy S CDR USN USFJ J3; McCracken, Michael H GS-13 USFJ J57
Cc: USFJ-CAT-RCMT
Subject: FW: Bechtel Unmanned Water Pump Capability

Importance: High

FYI,

(b)(5)

The actions for delivery are as follows from J5:

- Austrian AF - handling flight tracking and will report confirmed departure and arrival times
- AmEmb-Tokyo - coordinating Dip clearance
- USFJ-CAT-AIR - coordinate clearance to land at Yokota AB
- MOFA/AMEmb-Tokyo provide clarification on forward movement from Yokota AB.

Very Respectfully,
LCDR Rob Mercer

-----Original Message-----

From: Huntington, Miki T LTC USA USFJ J54
Sent: Saturday, March 19, 2011 10:48 AM
To: USFJ-CAT-RCMT
Cc: ybock@ofda.gov; USFJ-CAT-J5
Subject: Bechtel Unmanned Water Pump Capability

RCMT colleagues,

SUMMARY:

A company called Bechtel that apparently has some type of "unmanned water cannon" capability. The equipment is located in Perth, Australia, and we understand they are working to consolidate it at the airport there. Note that this discussion has been raised in discussions between Embassy Tokyo and MOD, so the Japanese are aware of the information though they have not yet confirmed whether or not they want this capability brought in.

(b)(5)

STATUS:

UNC-R (and AUS officer) GP CAPT McCormack has linked up AUS DATT Col Tim Gellel in with Emb Tokyo Joe Young so we have some Emb to Emb link.

19 Mar 0900 - Per Emb (Young) The flight has not yet left Perth, but Emb will confirm once it does so. CAT J5 is working with AUS (Sgt Carter) for flight tracking as well. CAT J5 is also checking with Embassy re:

transport of equipment from Yokota to Fukushima plant area; not clear whether U.S. military support is needed, JSDF support needs to be coordinated, TEPCO is working, or if something separate has been coordinated already between the AUS and U.S. Embassy.

V/R,

MIKI T. HUNTINGTON, LTC, U.S. Army

Chief, Government Relations (J54)

United States Forces Japan

DSN 315-225-2072 / FAX 315-225-4718

Comm: 011-81-3-1175-52072

Operation Tomodachi (Japan Earthquake Relief):

E-mail (b)(6)

DSN 315-225-4329 or 2903

From: RMTPACTSU_RM <RMTPACTSU_RM@ofda.gov>
Sent: Saturday, March 19, 2011 12:00 AM
To: Hughart, Joseph (FOH); DART_PACTSU; Cohen, Harold(GC/DCHA) [USAID]
Cc: RMTPACTSU_CORE; Bardwell, Shawn(DCHA/OFDA) [USAID]
Subject: RE: Japan Earthquake/Pacific Tsunami DART Safety and Security Plan: March 19 2011 Update

Very thorough and clear. Thank you Joe.

Everyone's safety is our primary concern. Appreciate the clear protocols, particularly for monitoring radiation exposure which is a less familiar scenario for most of us.

From: Hughart, Joseph (FOH) [mailto:Joseph.Hughart@foh.hhs.gov]
Sent: Friday, March 18, 2011 8:14 PM
To: DART_PACTSU; Cohen, Harold(GC/DCHA) [USAID]
Cc: RMTPACTSU_CORE
Subject: Japan Earthquake/Pacific Tsunami DART Safety and Security Plan: March 19 2011 Update

~~SENSITIVE BUT UNCLASSIFIED - CONTAINS PERSONAL HEALTH INFORMATION, DO NOT DISTRIBUTE~~

Attached is the March 19th update of the DART Safety and Security Plan. We use an Excel spreadsheet to facilitate updates to the plan. Please view the tabs at the base of the screen to select worksheets that address various aspects of the Plan. We have found during previous DARTS that this allows us to make changes much more rapidly, and to maintain a current plan.

Some additions since the last update sent 48 hours ago:

Radiation monitoring data for the Embassy, USAR operation areas and Daiichi plant have been added to a worksheet.

Radiation levels at the Daiichi plant have been graphed for the first few days of data. Note the steep increase in radioactivity levels on March 14th.

Contact and some RED data have been added to a worksheet labeled DART STAFF INFO. Emergency contact information is now available for all staff. Hal, I would like to have an offline discussion about HIPPA and RED data.

A Radiation Protection Program worksheet was added that addresses the requirements in 29 CFR 1910.1096, The Ionizing Radiation Standard under OSHA. The broad protocol document circulated over the past few days did not address all of the requirements in the Ionizing Radiation Standard.

Information was added to comply with 29 CFR 1910.120, the Hazardous Waste and Emergency Operations Regulation. This information is a standard part of a health and safety plan for Federal operations in locations where hazardous substances have been released into the environment. Additional information for that requirement will be added later today.

Three pallets of CBRNE Bags arrived yesterday. Those are staged on the 4th Floor of the Embassy, in the USAID suite area, in case the DART needs PPE or field health and safety items.

The next update will be distributed on March 21st.

Best,

- Joe Hughart

CAPT USPHS
HHS PSC FOHS
404-667-5905
joseph.hughart@foh.hhs.gov

From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Friday, March 18, 2011 11:51 PM
To: Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony
Subject: FW: Bechtel Unmanned Water Pump Capability
Attachments: Japan Items.doc; Japan Items.doc
Importance: High

NRC Team, please note. Thanks.

Ron

This email is UNCLASSIFIED

-----Original Message-----

From: Mercer, Robert LCDR USN USFJ J3 [mailto:(b)(6)] On Behalf Of USFJ-CAT-RCMT
Sent: Saturday, March 19, 2011 11:19 AM
To: Lim, Jin Maj USAF USFJ; Cherry, Ronald C; Collier, Andrew H. CDR USN MDAO; anthony.ulses@nrc.gov
Cc: USFJ-CAT-RCMT
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Importance: High

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To: USFJ-CAT-CHIEF; USFJ-CAT-J3; Stackpole, Patrick T COL USA USFJ J0; Jaje, Michael S LTC USA USFJ J30; Holbrook, Stewart W CAPT USN USFJ J2; Jerabek, Scott B CAPT USN USFJ J02d; Curry, Timothy S CDR USN USFJ J3; McCracken, Michael H GS-13 USFJ J57
Cc: USFJ-CAT-RCMT
Subject: FW: Bechtel Unmanned Water Pump Capability
Importance: High

FYI,

(b)(5)

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LCDR Rob Mercer

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Sent: Saturday, March 19, 2011 10:48 AM
To: USFJ-CAT-RCMT
Cc: ybock@ofda.gov; USFJ-CAT-J5
Subject: Bechtel Unmanned Water Pump Capability

RCMT colleagues,

SUMMARY:

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(b)(5)

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UNC-R (and AUS officer) GP CAPT McCormack has linked up AUS DATT Col Tim Gellel in with Emb Tokyo Joe Young so we have some Emb to Emb link.

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V/R,

MIKI T. HUNTINGTON, LTC, U.S. Army

Chief, Government Relations (J54)

United States Forces Japan

DSN 315-225-2072 / FAX 315-225-4718

Comm: 011-81-3-1175-52072

Operation Tomodachi (Japan Earthquake Relief):

E-mail:

(b)(6)

DSN 315-225-4329 or 2903

Material List – Emergency water spray system for 2 Trains (Double Quantities for 4 trains)

Item	Description	Quantity for 2 Trains	
1	6" submersible pump S18000 and ancillaries	2	
2	500 gpm jetting pump PU230 and ancillaries	2	
3	500 gpm spray pump PU230 and ancillaries	2	
4	500 gpm water cannon, 2-1/2 " male cam-lock connection Stang Industries or equal	2	
4	6" C.S. cam-lock male adapter with 6" flange to mount to booster pump suction	2	
5	2-1/2" C.S. cam-lock male adapter with 2-1/2" flange to mount to booster pump suction	4	
6	2-1/2" high pressure fire hose with 2-1/2" C. S. cam-lock couplings. Each hose length to have a male fitting on one end and female on the other.	5,500 ft total length in random lengths	
7	C.S. Water Jet Eductor. 2-1/2" at 500 GPM with 1" chemical mixing inlet connection. 2-1/2" C. S. male cam-lock fittings at supply and discharge	2	
8	1" diesel fuel oil hose 20' length fitted with 1" brass male threaded fittings each end	4	
9	1" brass ball valves with female thrd ends	4	
10	2-1/2" C.S. Cam-lock fittings with 2-1/2" hose shank ends as spares, provide as male/female sets.	10	
11	275gal fuel oil tank (suitable for mounting on a trailer	8	
12	500 gal plastic tank for boron storage	2	
13	Flatbed Trailer - 40 ft by 8 ft, with tongue and pin connection, front and back axle, rubber tires, front axle steerable, tongue with pin connection for towing	4	
14	Trailer – 12 ft by 6 feet with axle front and back axle, rubber tires, tongue with pin connection for towing	8	

Attachment Japan Items.doc(138715 bytes) cannot be converted to PDF format.

From: Walsh, Cody C <WalshCC1@state.gov>
Sent: Friday, March 18, 2011 11:43 PM
To: Cherry, Ronald C; Cipullo, Timothy L; Walcott, Naomi; Duncan, Aleshia D; lia.hac@nrc.gov; joseph.hughart@foh.hhs.gov; Ulses, Anthony; Casto, Chuck; Monninger, John; Trapp, James; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Foggie, Kirk; Smith, Brooke; DartDOELiaison1@OFDA.gov; jhughart@ofda.gov; Berger, William (RDMA/OFDA); Beed, John; Beed, John A; Stitt, Tony; Ddperks@usaid.gov; Long, Patrick(DCHA/OFDA); Potts, Sarah(DCHA/OFDA)
Cc: Lewis, Brian M; Thur, Randy R; Hefner, Timothy B; (b)(6) USFJ-CAT-J5; Tokyo PolMil Unit
Subject: RE: Embassy support

All,
Please see items 1 and 2 below from DRTA regarding availability of additional personnel with CBRN experience for the Embassy/DART teams.

Please kindly let Curry Wright know if you have any needs for personnel with CBRN expertise.

Many thanks,
Cody Walsh
Embassy Tokyo/Pol-Mil

----- Original Message -----

From: Wright, Curry D Civ DTRA <(b)(6)>
To: Hefner, Timothy B
Sent: Fri Mar 18 14:37:45 2011
Subject: Embassy support

Tim,

Good morning. Can you assist us with three issues or help us find someone who can help:

1. DTRA has additional personnel we would like to send to the U.S. Embassy (two nuclear officers with significant CBRN experience). We would like to send them to facilitate CBRN information between the NRC and USFJ if possible.
2. We received an email from OSD policy about the DART not having CBRN expertise with them here in country. We have two-four people we can provide them (Consequence Management Advisory Team) if they need them.
3. I received a phone call from someone at the embassy that was interacting with MOD asking for me by name, unfortunately this is my first time in Japan and I cannot figure out how to call them back. I am very happy to help - very eager to assist in fact if you guys need me.

I hope things are well in Tokyo. Please let us know what we can do to help from here on Yokota.

Respectfully,

Curry

SBU
This email is UNCLASSIFIED

From: Smith, Brooke
Sent: Friday, March 18, 2011 11:12 PM
To: Monninger, John
Subject: Fw:

Sent from an NRC Blackberry.
Brooke G. Smith

(b)(6)

----- Original Message -----

From: Strizhov V. F <vfs@ibrae.ac.ru>
To: Smith, Brooke
Cc: spluzhnik@tenex.co.jp <spluzhnik@tenex.co.jp>
Sent: Fri Mar 18 19:28:39 2011
Subject:

Dear Mrs. Smith

Please find attached the results of overnight analysis of situation in the spent fuel polls. It was difficult to get real data on the water and assemblies inventories. We estimate the overall heat generation in the pools as 3.5 - 5 MW. Amount of water was 900 m3.

Under this conditions

Pool dryout 80 - 115 hr

Hydrogen burning 96 - 137 hr (explosion was about 90 hr after initiation of accident)

Half assemblies destroying - 160-230 hr

Detailed results of calculations will be sent later.

If you have any questions please let me know.

Valery Strizhov

From: Perks, Dewey(DCHA/OFDA) <dperks@usaid.gov>
Sent: Friday, March 18, 2011 11:02 PM
To: OFDAGOV: Magee, Erin K. (DCHA/OFDA); OFDAGOV: DART_PACTSU
Subject: Re: Field Notes Input -- Due at 5:30 pm

USAR -

1. All present at Misawa AB; Betz, Potts and Perks here as well
2. After mission meetings are being done; Misawa DART will meet with combined team leadership to review and comment at 1330.
3. Rescue squads and all Logs staff are assigned to DART Logs to facilitate equipment packaging.
4. Search canines are being used as "therapy dogs" during DOD meetings at the AB Ballroom; dogs are assisting in stress relief for adults and entertainment for the children.

----- Original Message -----

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
To: OFDAGOV: DART_PACTSU
Sent: Fri Mar 18 22:50:42 2011
Subject: Field Notes Input -- Due at 5:30 pm

Hello team,

Please send me any input you have for today's field notes by 5:30 pm tonight.

In addition to the normal read out on the situation, we have been asked for additional information on the following issues by the RMT/Nancy:

*

How are affected populations' needs being covered by the GoJ? (Note: We have some of this from recent assessments, meetings, etc, but let me know if you have anything additional to add)

*

How is the GoJ system for providing relief organized? (including information on how prefectures, JSDF, and NGOs fit into the system)

*

We're trying to demonstrate how requests for assistance come in, are processed, and how relief goes out -- within the USG and between the USG and GoJ.

*

How is the DART playing a coordinating role with the military (in more detail)? How is the DART coordinating with the GoJ, Japan Platform, and U.S. forces?

*

What plans does the GoJ have to respond to a significant nuclear event (Note: I already received this piece from Joe)

*

What is the status of SAR operations in Fukushima? We've heard that they've been completed in Ibaraki and Miyagi, but not heard info on Fukushima.

*

What is the status of humanitarian assessments - ours and other organizations?

We have some of this information and I'll try and find some of this information through public sources as well, but if you have any contributions, it would be greatly appreciated!

Let me know if you have any questions.

Thank you,

Erin

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Friday, March 18, 2011 9:55 PM
To: DART_PACTSU
Cc: RMTPACTSU_INC
Subject: Japan News: Aid groups say most of Japan displaced have basics

Aid groups say most of Japan displaced have basics

- * Japanese emergency workers cover most needs
- * Elderly run out of medication in some shelters
- * Isolated cases of hypothermia

By Fiona Ortiz

MADRID, March 18 (Reuters) - International humanitarian groups are finding pockets of suffering in northern Japan, but say most victims of the earthquake, tsunami, and snow blizzards are keeping warm and getting food, water and medical attention.

A week after the devastating quake and massive ocean wave wiped out towns on the northeast coast, international search and rescue teams are abandoning the search for survivors in below-freezing temperatures.

At least 6,539 people are confirmed dead, more than 10,000 are still missing and over 410,000 people are in shelters.

Teams from aid groups and charities are working their way north -- challenged by destroyed roads and scarce fuel -- seeking isolated groups of people who are most exposed.

"We've seen children suffering with the cold, and lacking really basic items like food and clean water. Tomorrow we're giving out blankets, and our team in Tokyo is looking into what other goods we can supply," said Stephen McDonald of the Save the Children charity in a statement on Friday.

"As we push up the coastline from Sendai, we are finding pockets of profound humanitarian need, and we're going to do everything we can to meet them while remaining focused on our child protection work."

DIABETES, BLOOD PRESSURE DRUGS FOR ELDERLY

Teams from Doctors Without Borders have seen a few cases of hypothermia and will distribute 25,000 blankets.

"In the 20 or 30 shelters we've visited the main problems are elderly people with chronic illnesses. They have run out of medication for diabetes and high blood pressure and we are trying to restart them on their medication," said Japan director for Doctors Without Borders Eric Ouannes on the group's website.

Ouannes said the most serious medical needs are covered, with only a few exceptions. There are working hospitals in the disaster zone, with doctors and medication, he said.

World Vision started distributing relief supplies on Friday in the city of Tome and will reach Minami Sanriku, one of the hardest-hit coastal towns in the country, on Saturday, the British-based aid group said.

"Blankets, bottled water and sanitary and hygiene supplies are among the items in World Vision's distribution to assist more than 6,000 people in urgent need in Minami Sanriku, where 9,600 townspeople have been displaced into 40 shelters.

"This tsunami-swept town in Miyagi prefecture, like many other areas of Japan, is experiencing below-freezing temperatures and snowfall," World Vision said in a statement.

SEARCHES CALLED OFF

Britain's Department for International Development (DFID) said the British search and rescue team in northern Japan had completed its unsuccessful search for survivors on Thursday and decided to leave the country.

"Heavy snow and falling temperatures six days after the start of the disaster mean there is now is an extremely low chance of finding survivors," DFID said on Thursday.

The team, including 59 British fire service search and rescue specialists, two rescue dogs and a medical support unit, was dispatched to Japan following a direct appeal from the Japanese authorities.

Japanese authorities have accepted international support in a few specific areas -- particularly from search and rescue teams and nuclear specialists.

Given Japan's capacity for dealing with major catastrophes, most international non-governmental organizations are focusing on getting to especially remote areas or on providing specialist help to the elderly or young children.

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

From: Perks, Dewey(DCHA/OFDA) <dperks@usaid.gov>
Sent: Friday, March 18, 2011 9:44 PM
To: OFDAGOV: Magee, Erin K. (DCHA/OFDA); OFDAGOV: DART_PACTSU
Subject: Re: 1000 Mar 19 - Running Update on Japan Emergency (running file attached)

Wish we had a way to verify these "rescues"...we've had scores of these over the years where folks leave or escape, then return later and are "found", leading to a rescue report...

We look at several things when determining if the person was trapped from Day 1...

1. Hydration
2. Blood labs - variations from norm from being in small confined space
3. Nutrition
4. Bladder-bowel activity
5. Core temperature

Not saying this wasn't a rescue (the odd exception that always happens), especially in these weather conditions; just saying verification or terminology validation would help us understand better how this happened...

----- Original Message -----

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
To: OFDAGOV: DART_PACTSU
Sent: Fri Mar 18 21:30:32 2011
Subject: 1000 Mar 19 - Running Update on Japan Emergency (running file attached)

10:00

09:45 March 19, 2011 Saturday (Live victim rescued more than one week after disaster): Self Defense Forces HQ reported that a male victim was rescued alive from a destroyed house in the southern part of Kisenuma Miyagi prefecture March 19 around 9 am. The man was transferred to a hospital in Kisenuma city.

09:38 March 19, 2011 Saturday NHK online (Fukushima evacuees to be moved to Saitama Saitama prefecture will accept about 1,800 people from Futaba-cho Fukushima prefecture to the Saitama Super Arena. Futaba-cho is located within the 20 km radius of the Fukushima Daiichi, and the population of 6,900 are to be evacuated. 40 buses will bring the 1,800 evacuees to Saitama Arena in the afternoon on the 19th. The Saitama Super Arena can accept up to 5,000 people. According to Saitama prefecture, as of 20:00 on the 18th, the number of evacuees are 799.

09:33 March 19, 2011 Saturday Jiji.com (PM seeks to expand cabinet, include opposition) PM Naoto Kan on the 19th, decided to urge opposition parties to participate in cabinet in order to enhance the efforts on East Japan Great Earthquake. He is thinking to revise the Cabinet Act to increase the number of ministers from the current 17 to 20. PM Kan will discuss with former DPJ presidents including Ichiro Ozawa to seek their understanding.

09:04 March 19, 2011 Saturday Sankei online (Radiation measurement by SDF helicopter) In early morning of the 19th, MOD sent a large SDF helicopter CH471 over Fukushima Daiichi nuclear power plant in order to measure the temperatures of reactors and the spent fuel pool by using infrared light from the air.

09:04 March 19, 2011 Saturday NHK online (Tokyo Fire Department to begin watering reactor) MOD high ranking official said in an NHK interview that after TEPCO is done with facilitating the power line to Fukushima Daiichi this morning, the Tokyo Fire Department will start watering the #3 reactor from ground after 1200 noon, and the SDF will water Reactor #4 from Ground.

08:45 March 19, 2011 Saturday (National Police Agency) Officials now report that the number of people evacuated prefecture by prefecture in Tohoku as of 2300 March 18 were as follows:

Aomori: 12 evacuation sites 367 people

Iwate: over 332 evacuation sites 49,454

Miyagi: 1,096 evacuation sites 187,719

Yamagata: 45 evacuation sites 3,440 (from Fukushima and Miyagi)

Ibaraki: 168 evacuation sites 4,871 (including from Fukushima)

Tochigi: 30 evacuation sites 1,028

Niigata: 53 evacuation sites 8,195 (from Fukushima)

06:14 March 19, 2011 Saturday NHK online (Severe cold across Tohoku) The morning of the 19th was another severely cold morning. According to the Meteorological Agency, starting in the evening of the 20, the weather will deteriorate, and heavy rain is expected. As of 5:00 am on Saturday, 1.8 degree below freezing in Iwate prefecture, 0.7 degree below freezing in Miyagi prefecture, 0.3 below zero in Fukushima prefecture were recorded.

SBU

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce

Subject: 0700 Mar 19 - Running Update on Japan Emergency (running file attached)

06:52 March 19, 2011 Saturday: TEPCO announces connection to outside power lines complete. TEPCO posted on its Japanese language website a statement that it completed construction of a temporary substation to bring in power from the main power grid to the Fukushima Daiichi power plant. The statement said that TEPCO is now working on connecting

this substation to the building around Reactor #2. It is not known whether the cooling pumps will function once connected to power.

From: JapanEmbassy, TaskForce

Subject: 0600 Mar 19 - Running Update on Japan Emergency (running file attached)

05:55 March 19, 2011 Saturday (Mainichi: Japan cautious about allowing media access to TEPCO plant footage taken by U.S. drone): This morning's Mainichi reported that the GOJ is reluctant about allowing public access to aerial footage of the troubled-ridden TEPCO Fukushima nuclear station taken by Guam-based Global Hawk UAVs, even though the U.S. military has effectively said it would not raise objection to the opening of such images. The daily added that U.S. nuclear experts have examined the footage very closely at Andersen AFB on Guam.

05:43 March 19, 2011 Saturday (Yomiuri: U.S.-Japan disaster relief cooperation rapidly expanding): This morning's Yomiuri reported on enhanced coordination between the U.S. military and the SDF regarding ongoing disaster relief operations, spotlighting Okinawa-based Marines' efforts to reconstruct the Sendai Airport, which was flooded with debris by the tsunami. A military affairs analyst said this specific operation is quite effective, as the airport is now able to host aircraft carrying a large volume of relief supplies. Pointing out that several U.S. warships, including the USS Essex, have engaged in joint relief missions at various parts of the Tohoku region, the daily said these U.S. deployment plans remind of a scenario regarding bilateral defense coordination in the event of a contingency on the Korean Peninsula.

05:17 March 19, 2011 Saturday (WTO says radiation risk low outside of "off limits" area): NHK-TV reported at 3:14 on a press briefing on Friday by a WHO spokesman, who said that health risk from radiation from the crippled nuclear reactors at the Fukushima plant is low in areas outside of the GOJ-designated "off-limits" zone. The official reportedly said the current situation in Fukushima does not warrant the WHO issuing an advisory calling for people to leave Japan or against visiting Japan. On radiation inspections undertaken by several foreign governments of Japanese food imports, the WHO spokesman said there are no possibilities that imports from Japan are contaminated with radiation, given that foods were apparently not shipped out of the areas near the Fukushima nuclear station after the earthquake.

04:58 March 19, 2011 Saturday (Update on fuel situation): METI/ANRE's Oil and Gas Division's Director Hirai told EMIN on March 18 that the fuel situation should start getting better this weekend and through the coming week as two big refineries resume operations and 300 fuel trucks start deliveries in the disaster zone. Hirai passed us a list with the names and contact points of hundreds of gas stations that have been designated to provide priority access to any delivery truck with the special emergency stickers. These stations will also be first to receive fuel deliveries as they become available. METI has shared this list with trucking associations, police, local governments, and fuel distributors. Hirai said the list hasn't been released publicly yet, but his office is ready to share it with the pharmaceutical associations whose members are using their own trucks for deliveries. Hirai's office can be reached at +81 3-3501-1817.

04:50 March 19, 2011 Saturday (TBS-TV: Showering operation to continue for months, MOD official predicts): TBS-TV reported at 23:40 on the view expressed by an unnamed senior Defense Ministry official that the seawater spraying operation at the TEPCO nuclear plant by SDF and firefighters is likely to continue for at least next several months. Noting

that only 140 tons of seawater has been dumped on the 3rd reactor until now but that the spent fuel pool at the site usually holds 1,400 tons of water, the official said the showering operation needs to be continued for at least months to cool the reactor itself, as well as the spent fuel pool.

04:23 March 19, 2011 Saturday (Ag Secretary Tom Vilsack statement on safety of imported food): "I know that there are many questions Americans might have about the terrible tragedies in Japan. I want to reassure the American public that at this time we have no reason to suggest that any of our meat, poultry, dairy, or processed egg products are unsafe for consumption due to the recent events in Japan. Our food imports from Japan are quite limited. What we do import must meet the safety standards of this country. We monitor and inspect imports to insure compliance with those standards. Should any risk with imports arise, we have procedures and processes in place to identify problems and deal with them. While we continue to offer aid and assistance to the Japanese we do not intend to lose sight of our core mission which is make sure our food remains safe, abundant, and affordable."

04:14 March 19, 2011 Saturday (Yomiuri: Tsunami turned out to be more fatal than earthquake): Yomiuri online reported at 3:04 on the finding by a Japanese forensic scientist that almost 90 percent of the victims he investigated in the quake-hit areas were apparently drowned, explaining that this contrasted to the Great Hanshin Earthquake, in which almost 80 percent of the victims were crushed to death under collapsed structures. The daily said the finding illustrated that the tsunami that followed the earthquake inflicted more serious damage than the quake itself.

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce

Subject: RE: 0200 Mar 19 - Running Update on Japan Emergency (running file attached)

04:00 March 19, 2011 Saturday (Yomiuri: Opposition leader rebuffs PM's offer for cabinet post): Yomiuri online reported at 3:06 that LDP President Tanigaki on Friday rejected an offer made by Prime Minister Kan that the top opposition leader assume a cabinet portfolio in charge of nuclear power accident issues. Tanigaki reportedly turned down the proposal on the ground that his acceptance would be tantamount to the formation of a "grand coalition" government with the ruling DPJ.

03:46 March 19, 2011 Saturday (Nikkei: Foreign manufacturers feeling the pinch from massive quake in Japan): Nikkei online reported at 2:41 that the aftershock of the Great Tohoku Earthquake is reverberating across the manufacturing industry abroad, highlighting a GM announcement on Thursday regarding the temporary shutdown of an assembly plant in Louisiana in the face of mounting difficulties in procuring auto components from Japan. Noting that a number of

factories producing world-class industrial parts in the Tohoku area sustained heavy damage, the daily said the closure of those production lines, if continued, is bound to have adverse effects on the performance of major manufacturers abroad.

03:21 March 19, 2011 Saturday (Mainichi: G7 acts jointly to prevent the Japan quake from having adverse effects on world economy): Mainichi online reported at 1:32 that the G7 countries jointly intervened in the forex market on Friday in order to halt the yen's rise out of concern that the world economy would be hit hard if Japan's efforts to overcome the massive natural disaster were complicated as a result of its currency's appreciation. The daily said sympathy toward quake-hit Japan was a major driving force to prompt the G7 members to take a concerted action on the financial market for the first time in 10 years.

02:56 March 19, 2011 Saturday (Yomiuri: Foreign governments worry about GOJ response to nuclear accident): Yomiuri online reported at 1:32 that discontent is mounting within the international community at Japan's response to nuclear accidents at the TEPCO Fukushima plant, focusing on alleged U.S. frustration at Tokyo's failure to provide timely information on the status of each trouble-ridden nuclear reactor. The daily called the USG's evacuation advisory recommending American citizens to stay out of the 50-mile-radius of the nuclear station as "overreaction" on the part of Washington, which it argued was caused by the Obama administration's doubts about the Japanese government's competence in responding to the nuclear crisis. The article claimed that other foreign governments are apparently following the U.S. in advising their citizens to leave the area in the judgment that it would be safer to abide by U.S. recommendations than by Japanese advice.

02:17 March 19, 2011 Saturday (Asahi: U.S. accelerating moves to evacuate citizens out of Japan): Asahi online reported at 23:32 that the USG is rapidly moving toward pulling its citizens out of Japan, highlighting the revelation by DOS Under Secretary Kennedy on Thursday that some 100 dependents of U.S. diplomats flew to Taiwan from Tokyo on a chartered flight and that two additional chartered flights were planned on Friday. Kennedy also disclosed that a total of 14 large buses were arranged to evacuate as many as 600 Americans out of Sendai and nearby regions. DOD deputy spokesman Lapan, meanwhile, said that several thousand dependents of American service personnel would be airlifted out of Japan potentially on military planes. The daily also noted that passengers and cargo originating from Japan are currently subject to radiation inspections at port of entry in America, with U.S. customs authorities revealing that not-harmful levels of radiation had been detected on Japan-originating cargo at airports in Chicago and Seattle.

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce
Subject: 0200 Mar 19 - Running Update on Japan Emergency (running file attached)

01:58 March 19, 2011 Saturday (Fuel rods at 4th reactor potentially most vulnerable to overheating): Asahi online reported at 23:31 on the TEPCO announcement concerning the status of pools storing nuclear fuel rods at the Fukushima No.1 power plant, saying that a total of 4,546 fuel rods are currently being stored at six reactor sites. Pointing out that the 4th reactor storage pool contains a total of 783 spent fuel rods, as well as another 548 unspent rods, the article said heat generation power at this reactor is by far the strongest among the six reactors.

01:40 March 19, 2011 Saturday (China refuses to unload cargo from Japan because of radiation fears): Asahi online reported at 1:01 that Chinese quarantine authorities at Dalian airport refused to unload Japanese cargo aboard an ANA flight on Wednesday on the ground that radiation at the aircraft's cargo compartment marked an abnormal level. The aircraft reportedly flew back to Japan without unloading the shipment. A Japanese aviation official noted that this kind of reaction to Japan-originated shipment on the part of foreign authorities is possible in view of the Fukushima nuclear accident and that the GOJ may take appropriate steps if a solid ground for such a refusal is not presented.

01:21 March 19, 2011 Saturday (Major U.S., European energy firms to send more oil, natural gas to Japan): Nikkei online reported at 0:43 that U.S. and European energy firms, including Chevron and Royal Dutch Shell, are set to increase oil and natural gas shipment to Japan in order to respond to an anticipated sharp increase in demand for thermal power generation fuel.

01:12 March 19, 2011 Saturday (U.S. too busy with relief operation in Japan to intervene in Libya): Nikkei online speculated at 0:40 that the Obama administration is hesitant about committing ground troops in Libya, given that the U.S. military is currently preoccupied with the war on terror in Afghanistan and disaster-relief operations in Japan.

01:00 March 19, 2011 Saturday (Firefighters begin showering water on 3rd reactor after midnight): NHK online reported at 0:47 that a Tokyo Metropolitan Fire Department unit began showering seawater on the 3rd nuclear reactor at TEPCO Fukushima plant at about 0:30. The unit is expected to dump seawater onto the trouble-ridden reactor continuously for about 30 minutes.

00:44 March 19, 2011 Saturday (Tiny amount of radioactive material detected in California): Nikkei online reported at 0:22 on the revelation by a diplomatic source that a very tiny amount of radioactive material, apparently spewed from the TEPCO Fukushima plant, has been detected at a monitoring post in California.

00:37 March 19, 2011 Saturday (Japan FM to brief his China, ROK counterparts on nuclear accidents): Nikkei online reported at 23:20 on press remarks on Friday by Foreign Minister Matsumoto, who said that he will provide a briefing on the ongoing nuclear crisis at TEPCO Fukushima plant to his Chinese and South Korean counterparts during a tripartite foreign ministerial meeting to be held on Saturday in Kyoto.

00:13 March 18, 2011 Saturday (Some 120,000 houses damaged by quake, tsunami): NHK reported online at 23:51 on the announcement by the National Police Agency that across Japan, approximately 120,000 structures sustained

damage from the March 11 earthquake and tsunami. At least 7,700 houses were completely destroyed, including 4,190 in Iwate and 2,413 in Fukushima Prefectures.

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce
Subject: 0000 Mar 19 - Running Update on Japan Emergency (running file attached)

23:50 March 18, 2011 Friday (Very large areas flooded by tsunami): TBS online reported at 21:57 on the estimate provided by the Geographical Survey Institute that the total land area in the Tohoku region that was swept by the tsunami last Friday amounted to 400 square kilometers, or about 6.4 times bigger than the area inside Tokyo's JR Yamanote line. Satellite photo analysis showed that Ishinomaki City, Miyagi Prefecture was the worst in terms of total area flooded by the tsunami, at 40 square kilometers. The tsunami apparently reached areas of the city as far as approximately 8 kilometers away from the shoreline.

23:30 March 18, 2011 Friday (No rolling electricity shutdown on Saturday): Nikkei online reported at 22:23 that TEPCO decided not to enforce the scheduled power blackout for Saturday based on the assumption that electricity demand would be not so strong because businesses will be largely closed on weekend.

23:28 March 18, 2011 Friday (Sarkozy asks for info on Fukushima crisis): Nikkei online reported at 22:06 that PM Kan on Friday evening spoke by phone with French President Sarkozy, who asked many questions about the status of the nuclear crisis on Fukushima. The French leader also told Kan: "Please let me know whatever support you want us to provide."

23:17 March 18, 2011 Friday (Yomiuri: Foreign diplomatic corps "abandon" Tokyo): Yomiuri online reported on growing moves among foreign diplomatic corps based in Tokyo to evacuate their family members out of Japan and to move embassy functions to other parts of Japan. The USG chartered a commercial flight to evacuate some 100 Americans to Taiwan, while Pentagon has decided to assist the voluntary evacuation of dependents of service members based in the mainland Japan. Meanwhile, Germany has moved its consular functions from Tokyo to Osaka, whereas the French Embassy has reduced the number of its diplomats working in Tokyo.

23:01 March 18, 2011 Friday (U.S. using Global Hawk UAVs and U2 planes to collect data): Kyodo summarized at 21:55 a NYT story that claimed that the Obama administration is mobilizing Global Hawk UAVs and U2 reconnaissance planes to collect data on the situation of the trouble-ridden Fukushima nuclear station, saying the move represents that Washington is considering the current situation as a security crisis and that it wants to analyze the status independently based on the judgment that the utility's initial failure to grasp the damage on the reactors has aggravated the situation.

22:25 March 18, 2011 Friday (PM to visit disaster areas): Jiji Press reports that according to Chief Cabinet Secretary Edano, coordination is underway for PM Kan to visit the areas devastated by earthquake/tsunami as soon as March 21.

22:18 March 18, 2011 Friday (Three police at plant exposed to 9x safe radiation limit): Sankei Online reported that the Tokyo Metropolitan Police Department revealed today that three members of its special task force assigned to spray water into Reactor No. 3 on March 17 were exposed to up to 9 millisieverts of radiation. This is 9 times the normally allowed maximum radiation for one year. However, the MPD has set 90 millisieverts as the upper limit of radiation exposure on this mission.

22:11 March 18, 2011 Friday (MOD to measure temperatures from the air tomorrow): Sankei Online reports at 21:45 that the Defense Ministry decided today to measure the temperatures of the reactors and storage pools of spent nuclear fuel at the Fukushima Daiichi Nuclear Plant from the air in the early morning of March 19. MOD engineers will use infrared rays to take measurements aboard large CH-471 transport helicopters. This will also help assess the effectiveness of dumping water on the reactors from helicopters. These officials will also take photos to assess the damage to the outer buildings and core of the reactors.

This email is UNCLASSIFIED.

From: JapanEmbassy, TaskForce
Subject: 2200 Mar 18 - Running Update on Japan Emergency (running file attached)

10:00

21:44 March 18, 2011 Friday (TEPCO apologizes): NHK online reported that a TEPCO managing director held a news conference tonight in Fukushima City, where he apologized for the disaster at the Fukushima Daiichi Nuclear Plant. He noted that that Reactors Nos. 1-3 will "inevitably" remain offline permanently.

21:17 March 18, 2011 Friday (Water spraying tonight cancelled): NHK reported that the SDF has called off its plan to conduct a second round of water spraying tonight into Reactor No. 3, in order to give priority to other operations at the nuclear plant, including the installation of power lines.

20:56 March 18, 2011 Friday (Aftershock prediction): The Japan Meteorological Agency downgraded the probability a magnitude 7.0 aftershock in the next three days to 30%. The JMA previously assessed the odds at 70% on March 13, and 40% since March 14.

20:47 March 18, 2011 Friday (Updated casualty figures): The National Police Agency reports that 6,911 people have died, 2,356 are injured, and 10,316 are still missing.

20:42 March 18, 2011 Friday (PM Kan addresses nation): In PM Kan's message for the Japanese people one week after the March 11 earthquake, he conveyed his condolences to the victims and expressed his sympathy to people taking refuge at evacuation centers. He also praised how well the Japanese people have coped with the tremendous tragedy. Kan thanked the 117 countries and 29 international organizations that offered Japan assistance.

Kan cited the aftermath of the giant quake/tsunami and the nuclear accidents as the two challenges facing Japan. He said the government is determined to do everything in its power to help rehabilitate the victims and overcome this difficult situation.

Kan characterized the nuclear accident at the Fukushima Daiichi Nuclear Plant as "still in the balance," but he promised that all the parties concerned are doing everything possible to overcome this crisis and give the people peace of mind as soon as possible.

He called on the people of Japan not to be daunted by the country's "greatest crisis" since WWII. He referred to Japan's postwar economic miracle and called on the people to overcome this crisis in the same spirit of "rebuilding Japan from scratch."

Kan was asked by a reporter about criticism of the government's handling of information dissemination. Kan asserted that he and the chief cabinet secretary shared everything they knew with the people. He reiterated that while the crisis is ongoing, the government hopes to get the situation under control and emerge from the present difficulties "in the near future."

20:20 March 18, 2011 Friday (Displaced people): About 380,000 earthquake and tsunami evacuees were staying in 2,200 facilities, Kyodo News reported.

SBU

This email is UNCLASSIFIED.

From: Hughart, Joseph (FOH) <Joseph.Hughart@foh.hhs.gov>
Sent: Friday, March 18, 2011 8:51 PM
To: bylandyx@state.gov
Cc: RMTPACTSU_CORE@ofda.gov; DART_PACTSU@ofda.gov
Subject: FW: Shpt of PPE to Tokyo - Pre-alert documents - 933-9028 7326
Attachments: Pre-alert for 933-9028 7326 ATL-NRT.pdf

Dear Ms. Byland:

Thank you for your assistance in clearing the 3 pallets of protective clothing through customs over the past few days.

The Government of Japan has asked the United States to provide 12,000 sets of protective clothing for the disaster response effort. The United States is immediately shipping 10,000 sets. That shipment will arrive at Narita Monday morning under Air Nippon Airlines air waybill # 933-9028 7326. A copy of the air waybill is attached.

I am requesting Embassy expediter service to assist with rapid customs clearance so that the United States can provide this protective clothing to the Government of Japan as soon as possible.

Thank you for your assistance in this matter.

Best,

- Joe Hughart
CAPT USPHS
HHS PSC FOHS
404-667-5905
joseph.hughart@foh.hhs.gov

From: RMTPACTSU_LC [mailto:RMTPACTSU_LC@ofda.gov]
Sent: Fri 3/18/2011 2:26 PM
To: Hughart, Joseph (FOH)
Subject: FW: Shpt of PPE to Tokyo - Pre-alert documents - 933-9028 7326

FYI – Shpt booked to arrive in Narita on Monday. Shpt is traveling on Air Nippon Airlines air waybill # 933-9028 7326.

Todd

Logistics Coordinator
202-712-0039 x-5706
Rmtpactsu_lc@ofda.gov
ofdalogistics@usaid.gov

From: Jeff Schumacher [mailto:jschumacher@cortrans.com]
Sent: Friday, March 18, 2011 2:14 PM
To: RMTPACTSU_LC; Stephen Gullledge
Cc: RMTPACTSU_HHS; Andy Jones
Subject: RE: Shpt of PPE to Tokyo - Pre-alert documents - 933-9028 7326

Pre-alert for shipment to Tokyo as previously discussed.

Thanks and regards,

Jeffrey W. Schumacher

CorTrans Logistics, LLC

Office 678-969-9529

Cell (b)(6)

www.cortrans.com

Certifications: ISO 9001, MBE, C-TPAT, IATA

**PLEASE WELCOME OUR NEWEST INTERNATIONAL TEAM MEMBER, STEPHEN GULLEDGE,
AND BE SURE TO CC STEPHEN ON ALL EMAILS TO ME. HIS EMAIL IS sgulledge@cortrans.com.**

***(To all overseas agents: Please be sure to send all accounting e-mails to our agency group e-mail,
intlagent@cortrans.com)***

From: Jeff Schumacher

Sent: Friday, March 18, 2011 2:06 PM

To: Jeff Schumacher; 'RMTPACTSU_LC'; Stephen Gulledge

Cc: 'RMTPACTSU_HHS'; Andy Jones

Subject: RE: Shpt of PPE to Tokyo

11440 kilos chargeable/positional weight as per the airline, so the final price is Total: \$60,875.00.

Thanks and regards,

Jeffrey W. Schumacher

CorTrans Logistics, LLC

Office 678-969-9529

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From: Jeff Schumacher

Sent: Friday, March 18, 2011 1:50 PM

To: 'RMTPACTSU_LC'; Stephen Gulledge

Cc: 'RMTPACTSU_HHS'; Andy Jones

Subject: RE: Shpt of PPE to Tokyo

Revised price will be in the original range of Andy Jones' quote to CAPT Holland and CAPT Hughart, \$ 50,000.00. To be confirmed upon his return.

Thanks and regards,

Jeffrey W. Schumacher

CorTrans Logistics, LLC

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Sent: Friday, March 18, 2011 1:41 PM
To: 'RMTPACTSU_LC'; Stephen Gulledge
Cc: 'RMTPACTSU_HHS'; Andy Jones
Subject: RE: Shpt of PPE to Tokyo

Just got a revised dimensional weight, and we are at 8909 dimensional weight. Price will adjust accordingly. Please be advised.

Andy is on site and just sent me the revised and final dimensions.

Thanks and regards,

Jeffrey W. Schumacher
CorTrans Logistics, LLC
Office 678-969-9529
Cell (b)(6)
www.cortrans.com
Certifications: ISO 9001, MBE, C-TPAT, IATA

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Subject: RE: Shpt of PPE to Tokyo

Transportation costs are Estimated at the moment to be \$ 45,000.00 (unconfirmed). Andy is working to get a reduction if possible.

Thanks and regards,

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(To all overseas agents: Please be sure to send all accounting e-mails to our agency group e-mail, intlagent@cortrans.com)

From: RMTPACTSU_LC [mailto:RMTPACTSU_LC@ofda.gov]
Sent: Friday, March 18, 2011 1:00 PM
To: Jeff Schumacher; Stephen Gullledge
Cc: RMTPACTSU_HHS
Subject: Shpt of PPE to Tokyo

Hi All,

I'm the Logistics Coordinator on the USAID Response Management Team in Washington, D.C. and I'm responsible for tracking all shipments that are going in/out of Japan for the Earthquake/Tsunami Response.

Please provide me the shipping details along with the air waybill that this cargo is traveling on. I will also need to know what the transportation costs are.

I'm not certain if you're handling this shipment but I saw your email addresses on the PPE shipment that we sent to Malta last week.

Please let me know as soon as you can as I have already received two queries on the status.

Thank you,

Todd Horne / Pat Long
Pacific Tsunami Japan Earthquake
Logistics Coordinator
202-712-0039 x-5706
Rmtpactsu_lc@ofda.gov
ofdalogsitics@usaid.gov

933 ATL 90287326

933 90287326

Shipper's Name and Address CAPT JOE HUGHART HH\$ PCS FOHS 1648 PERRY ST BLDG 831 DOBBINS ARB MARIETTA, GA 30089, US		Shipper's Account Number PCS FOHS		Not Negotiable Air Waybill NIPPON CARGO AIRLINES Issued by 663 NORTH ACCESS ROAD CHICAGO, IL 60666	
Consignee's Name and Address US EMBASSY - ATTN: JOE HUGHART 1-10-5 AKASAKA MINATO-KU TOKYO 107-8420, JP		Consignee's Account Number 03-3224-5768		It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFIC CONTRARY INSTRUCTIONS ARE GIVEN HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.	
Issuing Carrier's Agent Name and City CorTrans Logistics LLC Norcross		Accounting Information BOOKED WITH Joseph K Kpade/KZ-ATL SPOT NUMBER: ATL03-52			
Agent's IATA Code 011-1459/0013		Account No. 01114590013			
Airport of Departure (Addr. of First Carrier) and Requested Routing ATLANTA		Reference Number ATL6002085		Optional Shipping Information	
To ORD	By First Carrier KZ	Routing and Destination NIPPON CARGO	to NRT	by KZ	Currency USD
Airport of Destination TOKYO NARITA		Requested Flight/Date RF8/18 115/20		Amount of Insurance INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".	
Handling Information EMERGENCY RELIEF GOODS - MUST RIDE AS BOOKED - DO NOT DELAY - DO NOT DIVERT!!! CONTACT CONSIGNEE IMMEDIATELY UPON ARRIVAL. These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Ultimate destination JAPAN					
No. of Pieces 43		Gross Weight 4515.0		Rate Class SPOT	
Chargeable Weight 11440.0		Rate 4.45		Total 50336.00	
Nature and Quantity of Goods (Incl. Dimensions or Volume) PERSONAL PROTECTIVE EQUIPMENT 20 40x41x44in 2 40x41x26in 20 40x41x50in NOISE FTR 30.10 (C)					
Prepaid 50336.00		Weight Charge 11440.0		Other Charges FSC \$8909.00, SEC \$850.90	
Valuation Charge		Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.			
Tax		Signature of Shipper or his Agent Jeff Schumacher			
Total Other Charges Due Agent		Signature of Issuing Carrier or its Agent CorTrans Logistics LLC			
Total Other Charges Due Carrier 9799.90		Executed on (date) 03/18/2011			
Total Prepaid 60135.90		at (place) Norcross			
Currency Conversion Fields		Signature of Shipper or his Agent			
CC Charges in Dest. Currency		Signature of Issuing Carrier or its Agent			
Charges at Destination		Total Collect Charges			

U.S. GOVERNMENT BILL OF LADING INTERNATIONAL AND DOMESTIC OVERSEAS SHIPMENTS

B/L NUMBER

TRANSPORTATION COMPANY TENDERED TO
Cortrans Logistics

SCAC

DATE B/L PREPARED
03/16/2011

DESTINATION NAME AND ADDRESS
Tokyo - Narita International Airport

SPLC (Dest.)

ORIGIN NAME AND ADDRESS

SPLC (Orig.)

CAPT Joe Hughart
HHS PSC FOHS
1648 Perry St Bldg 831 Dobbins
Air Reserve Base
Marietta, GA 30069

CONSIGNEE (Name and full address of installation)

US Embassy
1-10-5 Akasaka
Minato-ku
Tokyo, Japan
107-8420

GBLOC (Cons.)

SHIPPER NAME AND ADDRESS

CAPT Joe Hughart
HHS PSC FOHS
1648 Perry St Bldg 831 Dobbins
Air Reserve Base 770-570-0458
Marietta, GA 30069

APPROPRIATION CHARGEABLE
A114292 S114294 P115439

BILL CHARGES TO (Dept./agency, bureau/office mailing
address and ZIP code)
HHS PSC SSC

AGENCY LOC CODE

VIA (Route shipment when advantageous to the Government) CALL CONSIGNEE UPON ARRIVAL

MARKS AND ANNOTATIONS "USAID" labels

PACKAGES		HM	DESCRIPTION OF ARTICLES (Use carrier's classification or tariff description if possible; otherwise use a clear nontechnical description.)	19. WEIGHTS* (Pounds only)	FOR USE OF BILLING CARRIER ONLY		
NO.	KIND				Services	Rate	Charges
43	Pallets	No	10,000 PPE units for USAID Team - Japan, In 40 Shuert Uni-Pak Triwall pallet, 40 x 41 x 50"				
		No	112 PPE units for USAID Team - Japan, In 3 Shuert Uni-Pak Triwall pallet, 40 x 41 x 36"				
			ATTN: Yoko Byland Transportation and Travel Supervisor				
			CLASSIFICATION ITEM NO.		TOTAL CHARGES		

TARIFF/SPECIAL RATE AUTHORITY

CARRIER WAY/FREIGHT BILL NO. AND DATE

STOP THIS SHIPMENT AT

FURNISH INFORMATION ON CAR/TRUCKLOAD/CONTAINER SHIPMENTS

FOR	SEAL NUMBERS	LENGTH/CUBE		MARKED CAPACITY		DATE FURNISHED
		ORDERED	FURNISHED	ORDERED	FURNISHED	
	APPLIED BY:					
CARRIER'S PICKUP DATE (Year, month, and day)						
MODE	ESTIMATE	NO. OF CLS/TLS	TYPE RATE	PSC	REASON	

CERTIFICATE OF CARRIER BILLING - CONSIGNEE MUST NOT PAY ANY CHARGES

This U.S. Government shipment is subject to terms and conditions of 41 CFR 102-117 and CFR 102-118.

DELIVERED ON (Year, month, and day)

FOR USE OF ISSUING OFFICE

ISSUING OFFICE (Name and complete address)
CAPT Joe Hughart
HHS PSC FOHS
1648 Perry St Bldg 831 Dobbins Air Reserve Base
Marietta, GA 30069
DATED 28 Jan 2011

ISSUING OFFICE: CAPT Joe Hughart

JEFFREY WAYNE SCHUMACHER
NOTARY PUBLIC
HENRY COUNTY
STATE OF GEORGIA
My Commission Expires August 8, 2014

FOB POINT NAMED IN CONTRACT

*Show also cubic measurements for shipments via
air, truck or water carrier in cases where required.

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 1103 (REV. 9/2003)
Prescribed by GSA/FMR 102-118

From: Hughart, Joseph (FOH) <Joseph.Hughart@foh.hhs.gov>
Sent: Friday, March 18, 2011 8:39 PM
To: DART_PACTSU@ofda.gov
Subject: FW: Shpt of PPE to Tokyo - Pre-alert documents - 933-9028 7326
Attachments: Pre-alert for 933-9028 7326 ATL-NRT.pdf

Note to DART: The Japanese Ambassador to the US delivered a dip note to State Dept yesterday requesting 12,000 sets of PPE. OFDA is shipping 10,000 sets from the OFDA CBRNE warehouse at Dobbins Air Reserve base, Georgia to Narita Airport. The goods will arrive on Monday morning.

Best,

- Joe Hughart
CAPT USPHS
HHS PSC FOHS
404-667-5905
joseph.hughart@foh.hhs.gov

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FYI – Shpt booked to arrive in Narita on Monday. Shpt is traveling on Air Nippon Airlines air waybill # 933-9028 7326.

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Rmtpactsu_lc@ofda.gov
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Pre-alert for shipment to Tokyo as previously discussed.

Thanks and regards,

Jeffrey W. Schumacher
CorTrans Logistics, LLC
Office 678-969-9529
Cell (b)(6)
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11440 kilos chargeable/positional weight as per the airline, so the final price is Total: \$60,875.00.

Thanks and regards,

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Thank you,

Todd Horne / Pat Long
Pacific Tsunami Japan Earthquake
Logistics Coordinator
202-712-0039 x-5706
Rmtpactsu_lc@ofda.gov
ofdalogistics@usaid.gov

933 ATL 90287326

933 90287326

Shipper's Name and Address CAPT JOE HUGHART HH\$ 1648 PERRY ST BLDG 831 DOBBINS ARB MARIETTA, GA 30089, US		Shipper's Account Number PC9 FOHS		Not Negotiable Air Waybill NIPPON CARGO AIRLINES Issued by 663 NORTH ACCESS ROAD CHICAGO, IL 60666																									
Consignee's Name and Address US EMBASSY - ATTN: JOE HUGHART 1-10-5 AKASAKA MINATO-KU TOKYO 107-8420, JP		Consignee's Account Number 03-3224-5768		It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFIC CONTRARY INSTRUCTIONS ARE GIVEN HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.																									
Issuing Carrier's Agent Name and City CorTrans Logistics LLC Norcross		Accounting Information BOOKED WITH Joseph K Kpade/KZ-ATL SPOT NUMBER: ATL03-52																											
Agent's IATA Code 011-1459/0013		Account No. 01114590013																											
Airport of Departure (Addr. of First Carrier) and Requested Routing ATLANTA		Reference Number ATL6002085		Optional Shipping Information																									
To ORD	By First Carrier KZ	Routing and Destination NIPPON CARGO	to NRT	by KZ	Currency USD																								
Airport of Destination TOKYO NARITA		Requested Flight/Date RF9/18 115/20		Amount of Insurance INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".																									
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These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Ultimate destination JAPAN				Diversion contrary to U.S. law prohibited.																									
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Currency Conversion Rates		CC Charges in Dest. Currency		Executed on (date) 03/18/2011																									
For Carriers Use only: at Destination		Charges at Destination		at (place) Norcross																									
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U.S. GOVERNMENT BILL OF LADING INTERNATIONAL AND DOMESTIC OVERSEAS SHIPMENTS

B/L NUMBER

TRANSPORTATION COMPANY TENDERED TO
Cortrans Logistics

SCAC

DATE B/L PREPARED
03/16/2011

DESTINATION NAME AND ADDRESS
Tokyo - Narita International Airport

SPLC (Dest.)

ORIGIN NAME AND ADDRESS

CAPT Joe Hughart
HHS PSC FOHS
1648 Perry St Bldg 831 Dobbins
Air Reserve Base
Marietta, GA 30069

SPLC (Orig.)

CONSIGNEE (Name and full address of installation)

US Embassy
1-10-5 Akasaka
Minato-ku
Tokyo, Japan
107-8420

GBLOC (Cons.)

SHIPPER NAME AND ADDRESS

CAPT Joe Hughart
HHS PSC FOHS
1648 Perry St Bldg 831 Dobbins
Air Reserve Base 770-570-0458
Marietta, GA 30069

APPROPRIATION CHARGEABLE
A114292 S114294 P115439

BILL CHARGES TO (Dept./agency, bureau/office mailing
address and ZIP code)
HHS PSC SSC

AGENCY LOC CODE

VIA (Route shipment when advantageous to the Government) CALL CONSIGNEE UPON ARRIVAL

MARKS AND ANNOTATIONS "USAID" labels

PACKAGES		HM	DESCRIPTION OF ARTICLES (Use carrier's classification or tariff description if possible; otherwise use a clear nontechnical description.)	19. WEIGHTS* (Pounds only)	FOR USE OF BILLING CARRIER ONLY		
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CLASSIFICATION ITEM NO.					TOTAL CHARGES		

TARIFF/SPECIAL RATE AUTHORITY

CARRIER WAY/FREIGHT BILL NO. AND DATE

STOP THIS SHIPMENT AT

FURNISH INFORMATION ON CAR/TRUCKLOAD/CONTAINER SHIPMENTS

FOR	SEAL NUMBERS	LENGTH/CUBE		MARKED CAPACITY		DATE FURNISHED
		ORDERED	FURNISHED	ORDERED	FURNISHED	
	APPLIED BY:					
CARRIER'S PICKUP DATE (Year, month, and day)						
MODE	ESTIMATE	NO. OF CLS/TLS	TYPE RATE	PSC	REASON	

CERTIFICATE OF CARRIER BILLING - CONSIGNEE MUST NOT PAY ANY CHARGES

This U.S. Government shipment is subject to terms and conditions of 41 CFR 102-117 and CFR 102-118.

DELIVERED ON (Year, month, and day)

FOR USE OF ISSUING OFFICE

ISSUING OFFICE (Name and complete address)

CAPT Joe Hughart
HHS PSC FOHS
1648 Perry St Bldg 831 Dobbins Air Reserve Base
Marietta, GA 30069
DATED 26 Jan 2011

ISSUING OFFICER CAPT Joe Hughart

JEFFREY WAYNE SCHUMACHER
NOTARY PUBLIC
HENRY COUNTY
STATE OF GEORGIA
My Commission Expires August 8, 2014

FOB POINT NAMED IN CONTRACT

*Show also cubic measurements for shipments via
air, truck or water carrier in cases where required.

AUTHORIZED FOR LOCAL REPRODUCTION

STANDARD FORM 1103 (REV. 9/2003)
Prescribed by GSA/FMR 102-118

From: Trapp, James
Sent: Friday, March 18, 2011 8:14 PM
To: Hughart, Joe
Cc: Ruland, William; McGinty, Tim; Bloom, Steven; Monninger, John; Cook, William
Subject: RE: Fwd: URGENT: COOLING SOLUTION

Thanks Joe - I'll have the guys check it out.

From: Hughart, Joe [jhughart@ofda.gov]
Sent: Friday, March 18, 2011 3:37 PM
To: Trapp, James
Subject: Fw: Fwd: URGENT: COOLING SOLUTION

Jim, please see message below. Thoughts?

Best,
- Joe

From: Lanakila Achong <lanakila@in-fog.com>
To: Hughart, Joe
Cc: Beed, John [USAID]; eivy <eivy@in-fog.com>
Sent: Fri Mar 18 15:28:58 2011
Subject: Fwd: URGENT: COOLING SOLUTION
Gentlemen,

This is the email we also sent to the Japanese Embassy in Washington. We were directed your way by the Naval Sea Systems Command. Our containment system WILL work to cool down and maintain cooling of the nuclear systems in Japan, it will work with sea or fresh water and we would like to donate it to the effort.

We're in the business of safety and saving lives, please help us do so as soon as possible for the people in jeopardy in Japan and around the world.

Thank You!

Lanakila (Kila) Achong
Project Manager
International Fog, Inc.
<http://www.in-fog.com/>
888.524.4434
CELL: (b)(6)

----- Forwarded message -----

From: Lanakila Achong <lanakila@in-fog.com>
Date: Fri, Mar 18, 2011 at 11:38 AM
Subject: URGENT: COOLING SOLUTION
To: earthquake@ws.mofa.go.jp

Urgent,

We are from International Fog, Inc. <http://www.in-fog.com/index.php> and WE CAN provide you with a solution to cooling down the nuclear sites in trouble in Japan

Currently our 1" and 1.5" Containment System nozzles are used by Oil, Gas and Electric companies to protect hot spot areas such as pump rows and even electrical substations.
<http://www.in-fog.com/industrial-containment-system.php>

We can make an 8" version of our nozzle to be installed on a fixed water supply system.

EACH NOZZLE WILL CREATE A 100 TO 125 FT. FULL CONE UNINTERRUPTED FOG PATTERN THAT WILL COOL EACH SYSTEM AND PROVIDE A BARRIER THAT REDUCES HEAT BY 90%

--

Lanakila (Kila) Achong
Project Manager
International Fog, Inc.
<http://www.in-fog.com/>
888.524.4434
CELL: (b)(6)

From: Hughart, Joseph (FOH) <Joseph.Hughart@foh.hhs.gov>
Sent: Friday, March 18, 2011 8:14 PM
To: DART_PACTSU@ofda.gov; hcohen@usaid.gov
Cc: RMTFACTSU_CORE@ofda.gov
Subject: Japan Earthquake/Pacific Tsunami DART Safety and Security Plan: March 19
2011 Update
Attachments: Japan EQ SS Plan.xlsx

~~SENSITIVE BUT UNCLASSIFIED - CONTAINS PERSONAL HEALTH INFORMATION; DO NOT DISTRIBUTE~~

Attached is the March 19th update of the DART Safety and Security Plan. We use an Excel spreadsheet to facilitate updates to the plan. Please view the tabs at the base of the screen to select worksheets that address various aspects of the Plan. We have found during previous DARTS that this allows us to make changes much more rapidly, and to maintain a current plan.

Some additions since the last update sent 48 hours ago:

Radiation monitoring data for the Embassy, USAR operation areas and Daiichi plant have been added to a worksheet.

Radiation levels at the Daiichi plant have been graphed for the first few days of data. Note the steep increase in radioactivity levels on March 14th.

Contact and some RED data have been added to a worksheet labeled DART STAFF INFO. Emergency contact information is now available for all staff. Hal, I would like to have an offline discussion about HIPPA and RED data.

A Radiation Protection Program worksheet was added that addresses the requirements in 29 CFR 1910.1096, The Ionizing Radiation Standard under OSHA. The broad protocol document circulated over the past few days did not address all of the requirements in the Ionizing Radiation Standard.

Information was added to comply with 29 CFR 1910.120, the Hazardous Waste and Emergency Operations Regulation. This information is a standard part of a health and safety plan for Federal operations in locations where hazardous substances have been released into the environment. Additional information for that requirement will be added later today.

Three pallets of CBRNE Bags arrived yesterday. Those are staged on the 4th Floor of the Embassy, in the USAID suite area, in case the DART needs PPE or field health and safety items.

The next update will be distributed on March 21st.

Best,

- Joe Hughart
CAPT USPHS
HHS PSC FOHS
404-667-5905
joseph.hughart@foh.hhs.gov

SAFETY AND SECURITY BRIEFINGS

The following safety and security briefings were provided to the DART.

These briefings represent the most significant hazards for this DART.

[illegible]

DART Team:

Incident Type

Time & Date

Incident Location

Persons Involved

Incident Description

Actions Taken and By Whom

Responses by Others

Follow-up Actions Taken

Witnesses

Other Relevant Information

Signatures

Safety & Security Officer:

Team Leader:

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Friday, March 18, 2011 8:10 PM
To: DART_PACTSU
Subject: 03.18.11 - OCHA Japan Sitrep
Attachments: 03.18.11 - OCHA Sit Rep.pdf

HIGHLIGHTS/KEY PRIORITIES

Number of dead and missing is now 16,600

Rush to deliver humanitarian aid to evacuees and survivors

Government introduces emergency plan to address fuel shortage

World Bank initial loss estimates between US\$15 billion and \$35 billion

Japan raises nuclear alert level to 5 at Fukushima Nuclear Power Plant

All offers of assistance should be directed to the Government of Japan

Some things that came up on the call in the report:

The weather conditions show no sign of improvement but rescue operations continue and another 154 people have been found in the last 24 hours. The Government says more than 16,500 people remain stranded (10,000 in Iwate and 6,500 in Miyagi) but more than 100 helicopters have been mobilized by the Self Defence Force and police and the coast guard for search and rescue missions. To date 26,000 survivors have been found. (Note: It doesn't say 26,000 rescues.)

The Government has created a task force for livelihood support for the affected population. The task force will coordinate ministries, municipalities, private sector and other organizations. Its responsibilities include: ensuring aid reaches isolated evacuation centres, transportation of relief items to affected areas, rehabilitation of essential utilities, construction of temporary shelters, waste disposal, recovery of bodies and burial.

The Government of Japan's Emergency Management agencies are leading the response through the Emergency Response Team, headed by Prime Minister Naoto Kan. Information from the Government of Japan, including situation reports can be found at <http://www.kantei.go.jp>.

The Government of Japan has created a "Volunteers Coordination Unit" under the Chief Cabinet Secretary's Office. The unit is coordinating the activities of volunteer groups and Non Profit Organizations in consultation with relevant ministries.

Erin Magee

Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone

Email: emagee@ofda.gov; emagee@usaid.gov

(b)(6)



This report is produced by OCHA. It was issued by the Regional Office in Asia Pacific with input from the UNDAC team in Tokyo. It covers the period from 17-18 March. The next report will be issued on the 19 March.

I. HIGHLIGHTS/KEY PRIORITIES

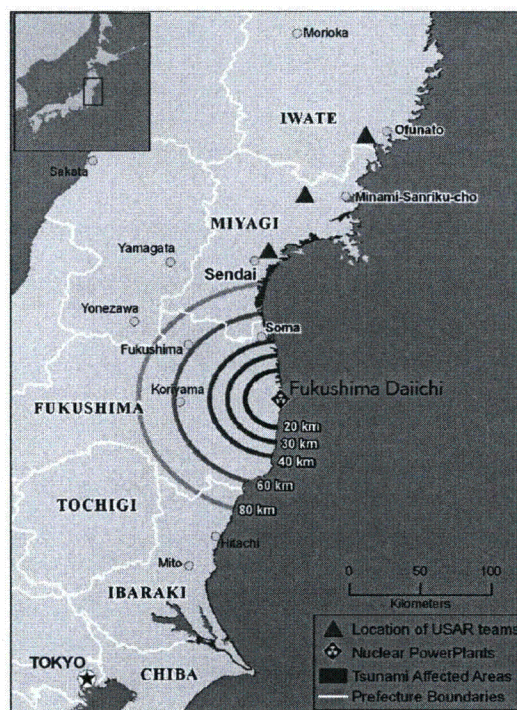
- Number of dead and missing is now 16,600
- Rush to deliver humanitarian aid to evacuees and survivors
- Government introduces emergency plan to address fuel shortage
- World Bank initial loss estimates between US\$15 billion and \$35 billion
- Japan raises nuclear alert level to 5 at Fukushima Nuclear Power Plant
- All offers of assistance should be directed to the Government of Japan

II. Situation Overview

A week ago today, Japan suffered its worst disaster since the second world war, when a powerful earthquake triggered a tsunami that flattened parts of the northeast coastline. The waves that reached 15 metres high in the worst affected area destroyed everything in their path and went six kilometres inland. Today the death toll rose to 6,400 overtaking the official number of dead in the 1995 Kobe earthquake. This number will continue to rise as 10,000 people are missing and many more are still unaccounted for. The disaster also set off a chain of events at the Fukushima Power Plant and a state of emergency remains.

The weather conditions show no sign of improvement but rescue operations continue and another 154 people have been found in the last 24 hours. The Government says more than 16,500 people remain stranded (10,000 in Iwate and 6,500 in Miyagi) but more than 100 helicopters have been mobilized by the Self Defence Force and police and the coast guard for search and rescue missions. To date 26,000 survivors have been found.

While rescue operations continue, vital infrastructure is gradually being restored. At the same time a massive cleanup effort is required to remove a vast amount of debris. Damaged roads, airports and ports are being gradually repaired with the Tohoku Expressway and the Sendai Airport, which was formally submerged, open to emergency vehicles, airplanes and helicopters.



The number of people in evacuation centres has decreased to about 390,000 people from 430,000 reported yesterday according to Government figures. The media is reporting that Japanese authorities are battling to get desperately needed aid to the people in the evacuation centres. The conditions in the evacuation centers appear to be worsening due to the lack of food, water and medicine, medical staff and heating. Of particular concern are the elderly. A quarter of Japan's population is over 65 and already there are reports that 29 elderly people have died in evacuation centres as a result of being moved and due to the lack of medical supplies.

There are media reports that hospitals in the affected areas are unable to function due to the lack of medicines, fuel and water. The media says the lack of electricity and poor communications is preventing them from getting additional support. Some hospitals say that without urgent assistance they will not be able to treat patients. There has been a decrease in the number of households without electricity. Currently 373,748 households, almost one million people, are without power compared to yesterday when the number

was 451,786 households. However, access to water continues to be a problem for 1.8 mill households (4.4 million people) across 12 prefectures.

Logistics is proving to be the biggest challenge at this stage of the emergency. The authorities have mobilized a large amount of aid but are unable to get it to the people quickly enough. This is mostly a result of the fuel shortages due to a breakdown of six out of nine oil factories in Kanto and Tohoku areas, and a lack of transport vehicles. In the three worst-affected prefectures, Miyagi, Iwate, Fukushima, only 4.7 percent of petrol stations supplies are for non-emergency vehicles. 700 additional large tankers are being mobilized in order to deliver fuel to petrol stations in the affected areas.

In Sendai, the capital of Miyagi Prefecture, some shops are reopening to provide food to residents, while convenience stores in Tome, Miyagi have also resumed business due to restored electricity supply.

The Ministry of Foreign Affairs says 400 foreigners are reported missing by their Embassies in relation to the earthquake and tsunami. An estimated 48,000 foreign nationals are currently registered as living in disaster-stricken Miyagi, Iwate, Fukushima, Yamagata, Akita and Aomori prefectures. Many are Chinese, and some are from Australia and South America.

Fukushima Nuclear Plant

Japan's Nuclear and Industrial Safety Agency has raised the alert level at the damaged Fukushima Daiichi nuclear plant from four to five on a seven-point international scale for atomic accidents. Today, Japanese officials continued to drop and spray water from helicopters and trucks onto Unit 3 at Fukushima Daiichi nuclear power plant. An emergency diesel generator also started powering water injection into the ponds. According to the International Atomic Energy Agency (IAEA), the situation at the Fukushima Daiichi nuclear power plants remains very serious.

The World Meteorological Organization has activated its Environmental Emergency Response mechanism and is providing the IAEA with meteorological information as per the Joint Radiation Emergency Management Plan of the International Organization. Meteorologists are working with IAEA and WHO. WMO's Regional Specialized Meteorological centres in Beijing, Tokyo and Obninsk are closely monitoring the situation. These centres are responsible for developing predictions of the trajectories and spreading of contaminants following environmental accidents with cross-border implications.

III. Government Response

The Government has created a task force for livelihood support for the affected population. The task force will coordinate ministries, municipalities, private sector and other organizations. Its responsibilities include: ensuring aid reaches isolated evacuation centres, transportation of relief items to affected areas, rehabilitation of essential utilities, construction of temporary shelters, waste disposal, recovery of bodies and burial.

Logistics

The Government is urgently trying to address the fuel shortage using sea, land and Self Defence Force transport. The Ministry of Economy, Trade and Industry (METI) announced an emergency response to the fuel shortage in the affected areas. The plan is to redirect 38,000 kilolitres per day of fuel from the oil refinery factories in Hokkaido and western Japan by surface transportation. 38,000 kilolitres was the average per day demand of fuel in the Tohoku area before the disaster. METI is planning to transfer 300 tanker vehicles operating in western Japan to the Tohoku area, and 100 out of 500 fuel stations will supply emergency vehicles carrying relief items with petrol. It has also requested the oil refinery industry increase their production from the current level of 80% capacity to 95% capacity.

According to the media, the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) announced that most (94%) of the main roads reaching to the affected Pacific coastal areas have been repaired. Two main highways are still reserved for emergency vehicles only. Six sea ports which were damaged by the earthquake and tsunami have resumed their operations. 13 airports in the affected areas are open for scheduled and chartered flights, and Sendai Airport which was heavily affected by the tsunami is open for humanitarian flights.

Shelter

The municipalities of 27 prefectures across the country are preparing temporary shelters for the evacuees from the disaster affected areas. As of the 17 March, 15,000 people have moved to 27 prefectures. The

receiving prefectures will make available approximately 6,700 municipal houses/apartments with basic facilities.

Food

According to the Emergency Disaster Response Headquarters in the Office of the Prime Minister, 1.7 meals have been delivered to evacuation centres and hospitals in the affected areas.

Health

The Government of Japan is preparing to receive medical help from overseas for the thousands injured by the earthquake and tsunami. Although it is illegal for doctors without Japanese medical licenses to practice, the Health Ministry has sent a notice to local governments in Iwate, Miyagi and Fukushima prefectures saying minor procedures may be taken by foreign doctors, given the unprecedented catastrophe. The Government has received offers from countries looking to assist Japan in the medical field.

National NGOs

Several Japanese NGOs are working in the northern region of Japan, bringing assistance to those in need. Some of them work through Japan Platform, an established emergency humanitarian aid NGO, working as umbrella agency for Japanese NGOs supporting refugees and disasters worldwide. More Japanese NGOs are preparing to reach the affected area.

IV. International Assistance

NGO and Relief Supplies

The Government of Japan has made public its position on international donations of relief items and on international Non-Governmental Organizations (NGOs) operating in Japan be made public. With regard to relief items, *"the Government of Japan has received offers for relief goods/material from many countries, international organizations, NGOs and private sector. The Government is identifying the needs and establishing a mechanism for storage and transportation to affected people. Therefore, it is recommended not to send any relief goods without coordination with the Government and local governments"*.

Concerning NGOs, the Government of Japan says *"Search and Rescue operation phase still continues in the affected areas at this moment and the access to those areas is strictly limited to rescue workers. It is also reported that there is temporary shortage of petrol in the affected area. International/foreign NGOs are recommended to wait until the situation improves so that those NGOs are able to conduct their activities in a self-sustainable way"*.

Search and rescue teams are continuing their activities in cooperation with their Japanese counterparts with the focus now on recovery. There are 543 International Search and Rescue specialists (14 teams) from 12 countries currently working. All rescue teams are working outside the 80 km exclusion zone around the Fukushima Power Plant.

Indonesia Aid, an NGO Consortium lead by Dompot Dhuafa has been working in Sendai since the 12 March and is helping the Indonesian Embassy to evacuate its citizens, mostly students, as well as distributing blankets, foods, drinks, milk, gas burners, gas cylinders, heaters, kerosene, gasoline, and generators in Miyagi Prefecture.

India is sending a 50 person team including medical personnel to assist in the recovery effort. The EU is dispatching an advance team from the MIC for the coordination of European assistance.

V. Coordination

The Government of Japan's Emergency Management agencies are leading the response through the Emergency Response Team, headed by Prime Minister Naoto Kan. Information from the Government of Japan, including situation reports can be found at <http://www.kantei.go.jp>.

The Government of Japan has created a "Volunteers Coordination Unit" under the Chief Cabinet Secretary's Office. The unit is coordinating the activities of volunteer groups and Non Profit Organizations in consultation with relevant ministries.

An UNDAC team, based at JICA Tokyo International Centre is supporting the Government with information management and supporting the International USAR teams. Regular updates on USAR teams are posted on the Virtual OSOCC.

Crisis Commons has put together a Japan Data Profile wiki containing various data sources relevant to the Japan earthquake and tsunami response: http://wiki.crisiscommons.org/wiki/Japan_Data_Profile.

The International Atomic Energy Agency (IAEA) is posting official updates on the nuclear power plants: <http://www.iaea.org/newscenter/news/tsunamiupdate01.html>. The World Health Organisation has information on its website regarding radiation-related health risks: <http://www.who.int/hac/crises/jpn/faqs/en/index.html>.

Key sites for obtaining official national meteorological information include:

Japan: Japan Meteorological Agency: <http://www.jma.go.jp/jma/indexe.html>

China: China Meteorological Administration: <http://www.cma.gov.cn/>

Russia: Russian Federal Service for Hydrometeorology and Environmental Monitoring: <http://www.meteorf.ru/default.aspx>

VI. Contact

Please contact:

Tokyo: Kirsten Mildren
UNDAC Public Information Officer
mildren@un.org, +66 819 15 1276

New York: Masaki Watabe
Humanitarian Affairs Officer
Asia-Pacific Section, Coordination and Response Division
watabem@un.org, +1-917-367-2832

Ms. Stephanie Bunker
Spokesperson and Public Information Officer Public, OCHA New York
bunker@un.org, +1 917 367 5126

Geneva: Anvar Munavvarov
Humanitarian Affairs Officer
munavvarov@un.org +41 (0) 22 917 1489

Ms. Elisabeth Byrs
Spokesperson and Public Information Officer, OCHA Geneva
byrs@un.org, +41 22 917 2653

For more information, please visit:

<http://ochaonline.un.org> www.reliefweb.int www.irinnews.org

To be added or deleted from this sit rep mailing list, please e-mail: ochareporting@un.org

From: RMTPACTSU_INC <RMTPACTSU_INC@ofda.gov>
Sent: Friday, March 18, 2011 8:01 PM
Subject: DART Call Notes - March 18, 2011, 1900 hours EDT

~~INTERNAL DART AND RMT USE ONLY. PLEASE DO NOT DISTRIBUTE.~~

Pacific Tsunami and Japan Earthquake DART-RMT Call Notes
March 18, 2011; 1900 hours EDT, 0800 hours JST

(b)(5)

(b)(5)

The next Pacific Tsunami DART-RMT Call is scheduled for March 19 at 0700 hours EDT or 2000 hours JST.

Helen Ho and Alison Lapp

Information Coordinators

Pacific Tsunami and Japan Earthquake Response Management Team

RMTPACTSU_INC@ofda.gov

202-712-0039

From: Betz, Travis <Tbetz@ofda.gov>
Sent: Friday, March 18, 2011 7:30 PM
To: RMTPACTSU_LC; DART_PACTSU
Subject: Update from Misawa

A/C is on the ground, crew is at rest.

Logs working on all docs for baggage and cargo

Sarah working on paperwork for dogs

Minister Seiji Okada addressed the team last night when they arrived, said thanks.

Team is rested and ready to go home.

Departure at this point is 2300 tonight

Working with pilot, once he is off crew rest to depart earlier. Asking for 1800 departure. Will advise if any change.

Dewey will express thanks on behalf of DART TL for job well done at final muster before departure.

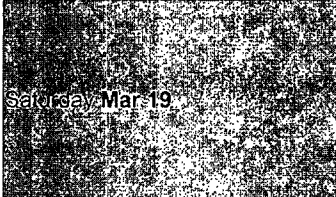
Will call Amy for checkout before departure.

Travis

From: LIA03 Hoc
Sent: Friday, March 18, 2011 7:22 PM
To: Liaison Japan
Cc: Dorman, Dan
Subject: Dan Dorman's arrival time (4:35 pm Sun Mar 20)

All,
 I understand that you will arrange transportation to get Dan from the airport to the hotel. Please let me know if this is incorrect.

Thanks!
 -Jenny

	<table> <tr> <td>IAD</td><td>NRT</td></tr> <tr> <td>WASHINGTON DULLES, DC</td><td>TOKYO NARITA, JAPAN</td></tr> </table>	IAD	NRT	WASHINGTON DULLES, DC	TOKYO NARITA, JAPAN
IAD	NRT				
WASHINGTON DULLES, DC	TOKYO NARITA, JAPAN				
UNITED AIRLINES UA 0897 Check-In	<table> <tr> <td> Departing At 01:22pm Sat, Mar 19 Terminal Not Available </td><td> Arriving At 04:35pm Sun, Mar 20 Terminal TERMINAL 1 </td></tr> </table>	Departing At 01:22pm Sat, Mar 19 Terminal Not Available	Arriving At 04:35pm Sun, Mar 20 Terminal TERMINAL 1		
Departing At 01:22pm Sat, Mar 19 Terminal Not Available	Arriving At 04:35pm Sun, Mar 20 Terminal TERMINAL 1				

PASSENGER NAME		Seats	
DANIEL HUNTINGTON DORMAN		35H / Confirmed	
Airline Reservation Code	V0SWKI	Duration	14hr(s) :13min(s)
Status	Confirmed	Class	Economy
Aircraft	BOEING 777 JET	Gate	<u>Check for latest information</u>
Meals	Lunch	Stop(s)	0
Smoking	No	Distance (in Miles)	6762

Please verify flight times prior to departure

From: RMTPACTSU_AC <RMTPACTSU_AC@ofda.gov>
Sent: Friday, March 18, 2011 7:21 PM
To: DART_PACTSU; RMT_PACTSU
Subject: DART Deployment Schedule 3.18.11
Attachments: image002.png; DART Deployment Schedule 03.18.11.xls

Attached is the DART Deployment Schedule. Please let me know if there are any questions or concerns.

Regards,
~Natalya

*Admin Coordinator
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtpactsu_ac@ofda.gov
202-712-0039*

Pacific Tsunami DART

10/22/2012 23:34

Departure
times are
local Arrival times are local

DART	Name	Current Location	Departure	Arrival	NOTES	Total Days	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue
							11	12	13	14	15	16	17	18	19	20	21	22
Team Leader	Bill Berger	Tokyo, Japan		BMI 0771 @1610		8		A	x	x	x	x	x	x	x			
Admin	Sarah Potts	Missawa AFB		Missawa @1522	w/LA USAR	7			A	x	x	x	x	x	ETD			
Communications Officer	Marco Rivera	Departing fr IAD		KE701 @1100		6				A	x	x	x	x	x			
Information Officer	Erin Magee	Tokyo, Japan		GA 884 @0900		7			A	x	x	x	x	x	x			
Deputy Team Leader	Courtney Brown	Bangkok, Thailand		TG 676 @1600		6				A	x	x	x	x	x			
Field Officer	Amy Sink	Tokyo, Japan		AA5835 @1605		9	A	x	x	x	x	x	x	x	x			
Military Liaison Officer	Yoni Bock	Inbound from Istanbul		TK 0050 @1230		6				A	x	x	x	x	x			
Logistics Officer	Travis Betz	Tokyo, Japan		QF 0021 @0605		7			A	x	x	x	x	x	ETD			
Operations Coordinator	Dewey Perks	Missawa AFB		Missawa @1522	w/LA USAR	7			A	x	x	x	x	x	ETD			
Deputy Team Leader for Tech Team and SSO	Joe Hughart	Tokyo, Japan		UA 0881 @1725		7			A	x	x	x	x	x	x			
DOE Liaison	Alan Remick	Tokyo, Japan		UA 0897 @1635		7			A	x	x	x	x	x	x			
NRC Liaison	Anthony Ulses	Tokyo, Japan		Missawa @1522		7			A	x	x	x	x	x	x			
NRC Liaison	James Trapp	Tokyo, Japan		UA 9681 @2225		7			A	x	x	x	x	x	x			
Press Officer	Dave Stone	Missawa AFB		Missawa @1522		7			A	x	x	x	x	x	x			
NRC Emergency Coordinator	Chuck Casto	Tokyo, Japan		AA 0175 @1330	Narita	4						A	x	x	x			
NRC Officer	Brooke Smith	Tokyo, Japan		BA 0005 @0910	Narita	4						A	x	x	x			
NRC Officer	Richard Devercelly	Tokyo, Japan		DL 0275 @1615	Narita	4						A	x	x	x			
NRC Officer	Tim Kolb	Tokyo, Japan		BA 0005 @0910	Narita	4						A	x	x	x			
NRC Officer	John Monninger	Tokyo, Japan		BA 0005 @0910	Narita	4						A	x	x	x			
NRC Officer	Tony Nakanishi	Tokyo, Japan		BA 0005 @0910	Narita	4						A	x	x	x			
NRC Officer	Jack Foster	Tokyo, Japan		BA 0005 @0910	Narita	4						A	x	x	x			
NRC Officer	William Cook	Tokyo, Japan		BA 0005 @0910	Narita	4						A	x	x	x			
NRC Officer	Kirk Foggie	Tokyo, Japan		BA 0005 @0910	Narita	4						A	x	x	x			
Military Liaison Officer	Thomas Frey	Tokyo, Japan		UNITED837 @1540	Narita	4						A	x	x	x			
SSO	Bill Laspina	Boise, ID	UA 6398 3/18@0806	UA 0837 @1540	Narita	1									A			
NRC Officer	Daniel Dorman	Washington, DC	UA 0897 3/19@1322	UA 0897 3/20 @1635	Narita											A		
Branch Chief for HHS Team	Chris Howard	Washington, DC	on hold	Delta 0173 @1700	Narita	0												
HHS Officer	Charles Miller	Atlanta, GA	on hold	AA 0061 @1530	Narita	0												

[illegible]

Other

[illegible]

TOTAL Assessment & Other Support	0	0	0	0	0	0	0	0	0	0	2	2	2
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D																			
D																			
2																			

2																			
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Additional Regional Travler

10/22/2012 23:34

Traveler	Name	Arrival - Tunisia	Arrival - Egypt	Return	Total Days				
						Mo	Tu	We	Th
						7	8	9	10
DCHA AA	Nancy Lindborg	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/13/2011	2		A	x	
State/PRM A/S	Eric Schwartz	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/12/2011	2		A	x	
State/PRM Staff Assistant	Lauren Diekman	Tunisia 3/8 CDG-TUN Air France 2584 @305p (605a EST)	Egypt 3/10 TUN-CAI Tunis Air TU 0813 @800p (100p EST)	3/12/2011	2		A	x	
Daily TOTAL						0	3	3	0

March

<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>	<u>Fr</u>	<u>Sa</u>	<u>Su</u>	<u>Mo</u>	<u>Tu</u>	<u>We</u>	<u>Th</u>
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

From: Betz, Travis <Tbetz@ofda.gov>
Sent: Friday, March 18, 2011 7:16 PM
To: DART_PACTSU
Subject: Trying to call into DART call, cell problems

From: iTrezzo Admin
Sent: Friday, March 18, 2011 7:08 PM
To: Monninger, John
Subject: BlackBerry Contact Update

To be prepared in an urgent situation, the NRC Emergency Preparedness Software has updated one or more of your Outlook Contacts.

The following 1 contact(s) were updated with current information:

- Richard Devercelly (Other (b)(6))

These changes will synchronize with the address book on your BlackBerry. Contact CSC at (301) 415-1234 if these changes do not appear on your BlackBerry within 24 hours.

From: RMTFACTSU_ELNRC <RMTFACTSU_ELNRC@ofda.gov>
Sent: Friday, March 18, 2011 7:06 PM
To: RMT_PACTSU; DART_PACTSU
Subject: FW: USNRC Earthquake-Tsunami Update - 1800 EDT (March 18, 2011)
Attachments: USNRC Earthquake-Tsunami Update.031811.1800EDT.pdf

FYI

From: LIA07 Hoc [mailto:LIA07.Hoc@nrc.gov]
Sent: Friday, March 18, 2011 6:37 PM
Subject: USNRC Earthquake-Tsunami Update - 1800 EDT (March 18, 2011)

Attached, please find an 1800 EDT March 18, 2011 status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.
-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security and Incident Response
US Nuclear Regulatory Commission
Sara.Mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: Monninger, John
Sent: Friday, March 18, 2011 7:02 PM
To: (b)(6)
Subject: Re: Hi (b)(6)

Sorry for not getting in touch. Nonstop major activities. We try within next 12 hours. (b)(6)
John Monninger

(b)(6)

From: (b)(6)
To: Monninger, John
Sent: Fri Mar 18 15:58:55 2011
Subject: Hi - (b)(6)

From: Evans, Michele
Sent: Friday, March 18, 2011 6:47 PM
To: Casto, Chuck; Monninger, John; Dorman, Dan
Cc: Weber, Michael; Borchardt, Bill; Virgilio, Martin; Boger, Bruce; Zimmerman, Roy; Wiggins, Jim
Subject: Proposed replacement staff for team in Japan
Attachments: 2nd Staff Deployment to Japan.docx

Chuck,

Based on the input you provided this morning regarding expertise for the next wave of staff going to Japan, we're proposing the attached team.

(b)(5),(b)(6)

If you want to further discuss the skill sets, the staff, the timing, or any other needs please let me know. I can be on the phone in the Ops Center to discuss with you on Saturday morning as early as 7 am Washington time. Please communicate your preference with the ET in the Ops Center.

Thanks

Michele

Skill Set	Name/Office/Projected Deployment date
(b)(5),(b)(6)	

From: LIA07 Hoc
Sent: Friday, March 18, 2011 6:42 PM
To: Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony
Subject: Status Update - 1800 EDT, March 18, 2011
Attachments: USNRC Earthquake-Tsunami Update.031811.1800EDT.docx

Please see the attached status update. If there are any errors that need to be changed, please send corrections to me.
Thank you!
-Sara

Sara K. Mroz
Communications and Outreach
Office of Nuclear Security & Incident Response
Sara.mroz@nrc.gov
LIA07.HOC@nrc.gov (Operations Center)

From: Rivera, Marco <mrivera@ofda.gov>
Sent: Friday, March 18, 2011 6:24 PM
To: DART_PACTSU
Subject: Comms needs

Team, we have people headed our way from DC in the next few days. I have made the additional request for more sat phones and a bgan. If there is anything you think you may need please let me know as soon as possible and I will coordinate delivery. Thank you.

From: OST02 HOC
Sent: Friday, March 18, 2011 5:43 PM
To: Monninger, John; Casto, Chuck
Subject: REQUEST: Copy of Documents for Mr. Borchardt
Attachments: Japan Aid.xlsx; Doc1.docx; bechtel detailed diagram.pdf; REQUEST: Copy of Document for Mr. Borchardt

Importance: High

Hi John and Chuck...

Files are attached – four (4) total. The last is an attachment to the email noted.

Thanks...
OST02

From: OST02 HOC
Sent: Friday, March 18, 2011 4:42 PM
To: Batkin, Joshua; Jaczko, Gregory
Cc: Pace, Patti; Bradford, Anna
Subject: REQUEST: Copy of Document for Mr. Borchardt
Importance: High

Greetings...

Files are attached. One file will be sent separately.

OST02

From: Pace, Patti
Sent: Friday, March 18, 2011 3:52 PM
To: HOO Hoc
Cc: Bradford, Anna
Subject: REQUEST: Copy of Document for Mr. Borchardt
Importance: High

Greetings,

Josh Batkin has asked for an electronic version of document being sent with Mr. Borchardt for the meeting at the Japanese Embassy. It is a list that Brian McDermott was helping with, I believe.

Could you please have someone email the document to Josh and CC: myself and Anna Bradford?

Many thanks,

Patti Pace
Assistant to Chairman Gregory B. Jaczko
U.S. Nuclear Regulatory Commission

301-415-1820 (office)
301-415-3504 (fax)

(b)(4)

There has been no specific information handed over to TEPCO regarding the specific tasks, equipment or people to implement immediate actions. The following general topics have been discussed:

Tasks

Urgently place water on spent fuel pools in the damaged Fukushima Daiichi Units 1, 2, 3, 4 with all available equipment

Establish temporary cooling system for spraying water on Units 1, 2, 3, and 4

Continue to closely monitor and add water to spent fuel pools in Fukushima Daiichi Units 5 & 6

Establish more permanent means of temporary cooling to the reactor cores on Units 1, 2, 3

Equipment

All equipment available to the Government of Japan should be used to implement immediate actions to cool the spent fuel pools on Units 1, 2, 3, 4

Equipment list and drawing for "Bechtel" four train system should be supplied.

People

Establish teams to implement multiple cooling water actions at the same time.

- Several hundred people would likely be required to implement spent fuel pool cooling tasks and manage the activities.
- Health Physics support

ITEM NO.	MATERIAL DESCRIPTION	U.O.M.	Quant Qty	BEAVER MINING			RESOURCE EQUIPMENT LIMITED (Alternate Solution: 80 (second))			CHUBB FIRE & SAFETY			ALFASCHMA			CHUBB MANUFACTURING & WA-POET TANKS			HOWARD PORTER			BENTON			REGIONAL TRAILERS			ESTIMATED SIZE	COMMENTS
				UNIT PRICE	AVAIL. QTY	TOTAL PRICE	AVAILABILITY	UNIT PRICE	AVAIL. QTY	TOTAL PRICE	AVAILABILITY	UNIT PRICE	AVAIL. QTY	TOTAL PRICE	AVAILABILITY	UNIT PRICE	AVAIL. QTY	TOTAL PRICE	AVAILABILITY	UNIT PRICE	AVAIL. QTY	TOTAL PRICE	AVAILABILITY	UNIT PRICE	AVAIL. QTY	TOTAL PRICE	AVAILABILITY		
1	1" submersible pump 13000 and ancillaries	Each	4					AUD 16,500.00	TBC	2 units available ex-perth																	RESOURCES EQUIPMENT LIMITED (REL) has offered an alternate solution which required engineering requirements. Two (2) units available ex-stock (see attachment for details). Engineering to review and confirm.		
2	500 gpm jetting pump P1230 and ancillaries	Each	4					(Included in 1)																					
3	500 gpm spray pump P1230 and ancillaries	Each	4					(Included in 1)																					
4	500 gpm water cannon, 2-1/2" male cam-lock connection Stang Industries or equal	Each	4					(Included in 1)																			BEAVER MINING Attached are the possible options of Cannon available ex-stock Melbourne. Engineering to review and advise if acceptable. RESOURCES EQUIPMENT LIMITED: 2 units available ex-stock (see attachment for details). Contact Chris Wain, Mobile: 0838 414 545		
5	1/2" C.S. cam-lock male adapter with 1/2" flange to mount to booster pump suction	Each	4	TBC	4			Ex-Perth, Australian Flange (Included in 1)																					
6	2-1/2" C.S. cam-lock male adapter with 2-1/2" flange to mount to booster pump suction	Each	8	TBC	8			Ex-Perth, Australian Flange (Included in 1)																					
7	2-1/2" high pressure fire hose with 2-1/2" C.S. cam-lock couplings. Each hose length to have a male fitting on one end and female on the other.	Metre	3,353	TBC	3,353			Ex-Sydney 12x100 meter (No Couplings) 10000m (No Couplings)-RED 4100m (No Couplings)-Yellow Ex-Melbourne 2100m (with camlock couplings)-RED 6700m (No Couplings)-RED Note-Aluminium camlock couplings for the fittings can be arranged based on the confirmation of what type hose is required	(Included in 1)																				
7.01	1/2" high pressure fire hose with 1/2" C.S. cam-lock couplings. Each hose length to have a male fitting on one end and female on the other.	Metre	3,353	000000	3,353	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
7.02	Beaver Couplings, 15000 Gals Steel Complete Set	Each	500	000000	500	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
7.03	Clamp Double-Bolt Gals 151 155mm	Each	75	000000	75	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
8	C.S. Water Jet Ejector 2-1/2" at 500 GPM with 1" chemical mixing inlet connection, 2-1/2" C.S. male cam-lock fittings at supply and discharge	Each	4	Not Quoted				(Included in 1)																			Need more technical info		
9	1" steel fuel oil hose 25' length fitted with 1" brass male threaded fittings each end (6 more lengths)	Metre	48	000000	48	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
10	1" brass ball valves with female third ends	Each	8	000000	8	AUD 80.00	Ex-Stock Perth	(Included in 1)																					
11	2-1/2" C.S. Cam-lock fittings with 2-1/2" hose thread ends in pairs, available in male/female sets	Each	20	TBC	20			Ex-Perth, Australian Flange (Included in 1)																					
12	1/2" gal fuel oil tank (available for mounting on a trailer)	Each	16					(Included in 1)																					
12	Fuel oil tank (available for mounting on a trailer) 800 Litre	Each	2					(Included in 1)																					
12	Fuel oil tank (available for mounting on a trailer) 600 Litre	Each	8					(Included in 1)																					
13	500 gal plastic tank for horse storage	Each	4		4																								
14	Flatbed Trailer - 40 ft by 8 ft, with tongue and pin connection, front and back axle, rubber tires, front axle steerable, tongue with pin connection for towing (7-axle not painted)	Each	3		3																						13.70x42.5MXX1.4M, 7800kg		
14	Flatbed Trailer - 40 ft by 8 ft, with tongue and pin connection, front and back axle, rubber tires, front axle steerable, tongue with pin connection for towing. For delivery ready for delivery	Each	1		1																						13.70x42.5MXX1.4M, 7800kg		
14	Flatbed Trailer - 40 ft by 8 ft, with tongue and pin connection, front and back axle, rubber tires, front axle steerable, tongue with pin connection for towing. For delivery ready for delivery	Each	3		3																						13.70x42.5MXX1.4M, 7800kg		
15	Trailer - 12 ft by 6 feet with axle (front and back axle, rubber tires, tongue with pin connection for towing)	Each	16		16																						13.70x42.5MXX1.4M, 7800kg		

From: Bradford, Anna
Sent: Friday, March 18, 2011 5:39 PM
To: Monninger, John
Subject: Dude

Did you give me this job because you hate me???

Anna Bradford
Policy Advisor for Nuclear Materials
Office of Chairman Jaczko
U.S. Nuclear Regulatory Commission
301-415-1827

From: RMTFACTSU_CRC <RMTFACTSU_CRC@ofda.gov>
Sent: Friday, March 18, 2011 4:52 PM
To: RMT_PACTSU; DART_PACTSU
Cc: Dwyer, Alan (RDMA/OFDA) [USAID]; Siasoco, George(DCHA/OFDA) [USAID]
Subject: RE: DART/RMT Call 7pm EDT/8am Japan

Apologies, the DART/RMT call in two hours is:

The next DART-RMT internal call is **FRIDAY 7pm EDT/SATURDAY 8am JST**

1-888-363-4749 (USA Toll Free)

215-446-3662 (USA Caller Paid/International Toll)

Access Code: (b)(6)

Katie Johnston
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtfactsu_crc@ofda.gov
202-712-0036

From: RMTFACTSU_CRC
Sent: Friday, March 18, 2011 4:47 PM
To: RMT_PACTSU; DART_PACTSU
Cc: Dwyer, Alan (RDMA/OFDA) [USAID]; Siasoco, George(DCHA/OFDA) [USAID]
Subject: DART/RMT Call 7am EDT/8pm Japan

Dear DART and RMT,

The next DART-RMT internal call is Thursday **7pm EDT/Friday 8am JST**

1-888-363-4749 (USA Toll Free)

215-446-3662 (USA Caller Paid/International Toll)

Access Code: (b)(6)

Thanks,
Katie

Katie Johnston
Pacific Tsunami and Japan Earthquake Response Management Team
USAID/DHCA/OFDA
Rmtfactsu_crc@ofda.gov
202-712-0036

From: Speiser, Herald
Sent: Friday, March 18, 2011 3:34 PM
To: Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Pearson, Laura; Speiser, Herald; Warren, Roberta
Cc: Chairman Temp
Subject: 4 FOIA requests related to Japan
Attachments: FOIA-11-0018 Communications between NRC, DOE, GE Energy and Hitachi-GE re nuclear incidents in Japan.pdf; FOIA-11-0019 Internal communication within NRC re nuclear incidents in Japan.pdf; FOIA-11-0020 Communications between NRC and government counterparts in Japan re nuclear incidents .pdf; FOIA-11-0021 Correspondence, email, etc containing words Vogtle and Japan or Summer and Japan.pdf

Please read the attached FOIA requests and respond as quickly as possible. They are also saved in the G drive in the FOIA subfile. I will be creating the resource report forms on the G drive as usual and will also have hard copies at my desk.

NOTE: DUE DATE FOR ALL OF THEM IS 3/24/11

Thank you.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 17, 2011

OFFICE OF THE
SECRETARY

MEMORANDUM TO: Lisa Clark ✓
Darani Reddick
Roger Davis
Molly Bupp
Jason Zorn
Kenneth Hart
Sheila McKelvin
FROM: Billie A. Champ-Lopes
FOIA Coordinator
Office of the Secretary

SUBJECT: REQUEST FOR COMMUNICATIONS BETWEEN THE NRC,
THE DOE, GE ENERGY AND HITACHI-GE NUCLEAR
ENERGY PERTAINING TO THE JAPANESE NUCLEAR
INCIDENTS "FOIA 11-0118"

Please search your office files for all documents subject to the above request. If documents are identified and recommended for withholding in its entirety or in-part, please provide an exemption to support your recommendation or unless obvious. Please provide your response on FOIA appendices.

The Office of the Secretary will provide, for your information, a list of documents identified, if any.

Your response is due to SECY, NLT, Thursday, March 24, 2011.

Enclosure:
Initial Request

**FOIA REQUEST**

Case No.: 2011-0118
Date Rec'd: 3.16.11
Specialist: Raphael
Related Case: _____

Dina Cappiello
The Associated Press
1100 13th Street NW
Washington, DC 20005
202-641-9446

March 16, 2011

Donna L. Sealing
FOIA/Privacy Officer
U.S. Nuclear Regulatory Commission
Mailstop: T-5 F09
Washington, DC 20555-0001

FOIA REQUEST

Dear Ms. Sealing:

Pursuant to the federal Freedom of Information Act, 5 U.S.C. § 552, I request access to and copies of all communications between the NRC, the Department of Energy, GE Energy and Hitachi-GE Nuclear Energy pertaining to the Japanese nuclear incidents caused by the March 11 earthquake and tsunami. This includes problems at the following three facilities: Fukushima Dai-ichi, Fukushima Daini, and Onagawa.

The communications should include emails, faxes, and written correspondence between the commission's chairman, its four commissioners, their staffs, and all other NRC employees to and from the Department of Energy and to and from GE Energy, Hitachi-GE Nuclear Energy, and its designated representatives.

Please consider this an expedited request under the FOIA, as this information is urgently required to inform the public about an actual or alleged federal government activity, namely the role the U.S. government is playing in the response to the Japan nuclear crisis and whether what is unfolding there has implications for U.S. nuclear policy and reactors here. I certify that I am a full-time employee for The Associated Press, the world's largest news-gathering organization with more than 1 billion readers, listeners and viewers.

Whether an "urgency to inform" exists depends on several factors: (1) whether the information relates to a currently unfolding story; (2) whether delaying release of the information harms the public interest; and (3) whether the request concerns federal governmental activity (*see Al-Fayed v. CIA*, 245 F.3d 300 (D.C. Cir. 2001)). In addition, "the credibility of a requester" is also a relevant consideration.

Please release any information pursuant to my requests as it is received and/or reviewed by your office, rather than waiting to send me all the material I have requested. If you have questions or need to contact me, I can be reached at 202-641-9446 and dcappiello@ap.org.

As I am making this request on behalf of the AP for use in reporting the news, no fees may be assessed for searching or reviewing documents sought by this request, and no duplication fees should be charged to the AP for the first 100 pages of material (see 5 U.S.C. § 552(a)(4)(A)(ii)(II)). AP hereby consents to pay duplication charges up to a total not to exceed \$200. Please notify me in advance before incurring any duplication charges in excess of this amount.

1100 13th St. NW, Suite 700, Washington, DC 20005-4076
T: 202.641.9000 voice; www.ap.org

As you know, the Act permits you to reduce or waive the fees when the release of the information is considered as "primarily benefiting the public." I believe that this request fits that category and I therefore ask that you waive any fees.

If all or any part of this request is denied, please cite the specific exemption(s) that you think justifies your refusal to release the information and inform me of your agency's administrative appeal procedures available to me under the law.

To the extent that you affirm, in whole or in part, the denial of disclosure, we ask that you provide us with a list describing with specificity the categories of documents that have been withheld and explaining the grounds for the withholding (*see Vaughn v. Rosen*, 484 F.2d 820 (D.C. Cir. 1973)).

I would appreciate your handling this request as quickly as possible, and I look forward to hearing from you.

I look forward to your reply within 20 business days, as the statute requires.

Thank you for your assistance.

Sincerely,

Dina Cappiello

FOIA Resource

From: Cappiello, Dina [DCappiello@ap.org]
Sent: Wednesday, March 16, 2011 12:55 PM
To: FOIA Resource
Subject: AP FOIA REQUESTS
Attachments: NRCJapaneseofficials.doc; NRCinternalJapannuclear.doc; NRCDOEGEcommunications.doc

Dear FOIA officer,

Attached are three separate AP FOIA requests pertaining to the nuclear incident underway in Japan. Please email me back or call to confirm receipt.

I will also send them via regular mail, but the FOIA clock should commence upon receipt of this email.

Kind regards,

Dina Cappiello
Environment/Energy Reporter
The Associated Press
1100 13th Street NW, Suite 700
Washington, DC 20005
(202)-641-9446 (o)
(202)-403-3582 (f)

(b)(6)

(c)

The information contained in this communication is intended for the use of the designated recipients named above. If the reader of this communication is not the intended recipient, you are hereby notified that you have received this communication in error, and that any review, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify The Associated Press immediately by telephone at +1-212-621-1898 and delete this e-mail. Thank you.

[IP_US_DISC]msk dccc60c6d2c3a6438f0cf467d9a4938



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 17, 2011

OFFICE OF THE
SECRETARY

MEMORANDUM TO: Lisa Clark ✓
Darani Reddick
Roger Davis
Molly Bupp
Jason Zorn
Kenneth Hart
Sheila McKelvin
Billie A. Champ-Lopes
FROM: Billie A. Champ-Lopes
FOIA Coordinator
Office of the Secretary

SUBJECT: REQUEST FOR INTERNAL COMMUNICATIONS WITHIN THE
NRC PERTAINING TO THE JAPANESE NUCLEAR
INCIDENTS "FOIA-11-0119"

Please search your office files for all documents subject to the above request. If documents are identified and recommended for withholding in its entirety or in-part, please provide an exemption to support your recommendation or unless obvious. Please provide your response on FOIA appendices.

The Office of the Secretary will provide, for your information, a list of documents identified, if any.

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Enclosure:
Initial Request



Dina Cappiello
The Associated Press
1100 13th Street NW
Washington, DC 20005
202-641-9446

March 16, 2011

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FOIA/Privacy Officer
U.S. Nuclear Regulatory Commission
Mailstop: T-5 F09
Washington, DC 20555-0001

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The communications should include emails, faxes, and written correspondence between the commission's chairman, its four commissioners, their staffs, and all other NRC employees to and from the Department of Energy and to and from GE Energy, Hitachi-GE Nuclear Energy, and its designated representatives.

Please consider this an expedited request under the FOIA, as this information is urgently required to inform the public about an actual or alleged federal government activity, namely the role the U.S. government is playing in the response to the Japan nuclear crisis and whether what is unfolding there has implications for U.S. nuclear policy and reactors here. I certify that I am a full-time employee for The Associated Press, the world's largest news-gathering organization with more than 1 billion readers, listeners and viewers.

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1100 13th St. NW, Suite 700, Washington, DC 20005-4076
T: 202.641.9000 voice; www.ap.org

FOIA/PA REQUEST

Case No.: 2011-0118
Date Rec'd: 3.16.11
Specialist: Raphael
Related Case: _____

As you know, the Act permits you to reduce or waive the fees when the release of the information is considered as "primarily benefiting the public." I believe that this request fits that category and I therefore ask that you waive any fees.

If all or any part of this request is denied, please cite the specific exemption(s) that you think justifies your refusal to release the information and inform me of your agency's administrative appeal procedures available to me under the law.

To the extent that you affirm, in whole or in part, the denial of disclosure, we ask that you provide us with a list describing with specificity the categories of documents that have been withheld and explaining the grounds for the withholding (*see Vaughn v. Rosen*, 484 F.2d 820 (D.C. Cir. 1973)).

I would appreciate your handling this request as quickly as possible, and I look forward to hearing from you.

I look forward to your reply within 20 business days, as the statute requires.

Thank you for your assistance.

Sincerely,

Dina Cappiello

FOIA Resource

From: Cappiello, Dina [DCappiello@ap.org]
Sent: Wednesday, March 16, 2011 12:55 PM
To: FOIA Resource
Subject: AP FOIA REQUESTS
Attachments: NRCJapaneseofficials.doc; NRCintematJapannuclear.doc; NRCDOEGEcommunications.doc

Dear FOIA officer,

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I will also send them via regular mail, but the FOIA clock should commence upon receipt of this email.

Kind regards,

Dina Cappiello
Environment/Energy Reporter
The Associated Press
1100 13th Street NW, Suite 700
Washington, DC 20005
(202)-641-9446 (o)
(202)-403-3582 (f)

(b)(6)

 (c)

The information contained in this communication is intended for the use of the designated recipients named above. If the reader of this communication is not the intended recipient, you are hereby notified that you have received this communication in error, and that any review, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify The Associated Press immediately by telephone at +1-212-621-1898 and delete this e-mail. Thank you.

[IP_US_DISC]msk dccc60c6d2c3a6438f0cf467d9a4938



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 17, 2011

OFFICE OF THE
SECRETARY

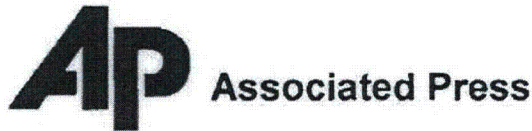
MEMORANDUM TO: Lisa Clark ✓
Darani Reddick
Roger Davis
Molly Bupp
Jason Zorn
Kenneth Hart
Sheila McKelvin
FROM: Billie A. Champ-Lopes
FOIA Coordinator
Office of the Secretary
SUBJECT: REQUEST FOR COMMUNICATIONS BETWEEN THE NRC
AND GOVERNMENT COUNTERPARTS IN JAPAN
PERTAINING TO THE JAPANESE NUCLEAR INCIDENTS
"FOIA 11-0120"

Please search your office files for all documents subject to the above request. If documents are identified and recommended for withholding in its entirety or in-part, please provide an exemption to support your recommendation or unless obvious. Please provide your response on FOIA appendices.

The Office of the Secretary will provide, for your information, a list of documents identified, if any.

Your response is due to SECY, NLT, Thursday, March 24, 2011.

Enclosure:
Initial Request



Dina Cappiello
The Associated Press
1100 13th Street NW
Washington, DC 20005
202-641-9446

March 16, 2011

Donna L. Sealing
FOIA/Privacy Officer
U.S. Nuclear Regulatory Commission
Mailstop: T-5 F09
Washington, DC 20555-0001

FOIA REQUEST

Dear Ms. Sealing:

Pursuant to the federal Freedom of Information Act, 5 U.S.C. § 552, I request access to and copies of all communications between the NRC and government counterparts in Japan pertaining to the Japanese nuclear incidents caused by the March 11 earthquake and tsunami. This includes problems at the following three facilities: Fukushima Dai-ichi, Fukushima Daini, and Onagawa.

The communications should include emails, faxes, and written correspondence between the commission's chairman, its four commissioners, their staffs, and all other NRC employees - particularly those deployed to Japan and working at NRC's 24-Hour Operations Center - to and from Japanese government officials.

Please consider this an expedited request under the FOIA, as this information is urgently required to inform the public about an actual or alleged federal government activity, namely the role the U.S. government is playing in the response to the Japan nuclear crisis and whether what is unfolding there has implications for U.S. nuclear policy and reactors here. I certify that I am a full-time employee for The Associated Press, the world's largest news-gathering organization with more than 1 billion readers, listeners and viewers.

Whether an "urgency to inform" exists depends on several factors: (1) whether the information relates to a currently unfolding story; (2) whether delaying release of the information harms the public interest; and (3) whether the request concerns federal governmental activity (*see Al-Fayed v. CIA*, 245 F.3d 300 (D.C. Cir. 2001)). In addition, "the credibility of a requester" is also a relevant consideration.

Please release any information pursuant to my requests as it is received and/or reviewed by your office, rather than waiting to send me all the material I have requested. If you have questions or need to contact me, I can be reached at 202-641-9446 and dcappiello@ap.org.

As I am making this request on behalf of the AP for use in reporting the news, no fees may be assessed for searching or reviewing documents sought by this request, and no duplication fees should be charged to the AP for the first 100 pages of material (*see 5 U.S.C. § 552(a)(4)(A)(ii)(II)*). AP hereby consents to pay duplication charges up to a total not to exceed \$200. Please notify me in advance before incurring any duplication charges in excess of this amount.

1100 13th St. NW, Suite 700, Washington, DC 20005-4076
T: 202.641.9000 voice; www.ap.org

FOI/PA REQUEST

Case No.: 2011-0120
Date Rec'd: 3-16-11
Specialist: Raphael
Related Case: _____

As you know, the Act permits you to reduce or waive the fees when the release of the information is considered as "primarily benefiting the public." I believe that this request fits that category and I therefore ask that you waive any fees.

If all or any part of this request is denied, please cite the specific exemption(s) that you think justifies your refusal to release the information and inform me of your agency's administrative appeal procedures available to me under the law.

To the extent that you affirm, in whole or in part, the denial of disclosure, we ask that you provide us with a list describing with specificity the categories of documents that have been withheld and explaining the grounds for the withholding (*see Vaughn v. Rosen*, 484 F.2d 820 (D.C. Cir. 1973)).

I would appreciate your handling this request as quickly as possible, and I look forward to hearing from you.

I look forward to your reply within 20 business days, as the statute requires.

Thank you for your assistance.

Sincerely,

Dina Cappiello

FOIA Resource

From: Cappiello, Dina [DCappiello@ap.org]
Sent: Wednesday, March 16, 2011 12:55 PM
To: FOIA Resource
Subject: AP FOIA REQUESTS
Attachments: NRCJapaneseofficials.doc; NRCinternalJapannuclear.doc; NRCDOEGEcommunications.doc

Dear FOIA officer,

Attached are three separate AP FOIA requests pertaining to the nuclear incident underway in Japan. Please email me back or call to confirm receipt.

I will also send them via regular mail, but the FOIA clock should commence upon receipt of this email.

Kind regards,

Dina Cappiello
Environment/Energy Reporter
The Associated Press
1100 13th Street NW, Suite 700
Washington, DC 20005
(202)-641-9446 (o)
(202)-403-3582 (f)

(b)(6)

 (c)

The information contained in this communication is intended for the use of the designated recipients named above. If the reader of this communication is not the intended recipient, you are hereby notified that you have received this communication in error, and that any review, dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify The Associated Press immediately by telephone at +1-212-621-1898 and delete this e-mail. Thank you.

[IP_US_DISC]msk dccc60c6d2c3a6438f0cf467d9a4938



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 18, 2011

OFFICE OF THE
SECRETARY

MEMORANDUM TO: Lisa Clark ✓
Darani Reddick
Roger Davis
Molly Bupp
Jason Zorn
Kenneth Hart
Sheila McKelvin

FROM: Billie A. Champ-Lopes
FOIA Coordinator
Office of the Secretary

SUBJECT: REQUEST FOR CORRESPONDENCE, EMAIL OR OTHER
DOCUMENTS GENERATED BY NRC OFFICIALS SINCE
MARCH 11, 2011, REFERENCING THE WORDS "VOGTLE
AND JAPAN" AND THE WORDS "SUMMER AND JAPAN"
FOIA-11-0121

Please search your office files for all documents subject to the above request. If documents are identified and recommended for withholding in its entirety or in-part, please provide an exemption to support your recommendation or unless obvious. Please provide your response on FOIA appendices.

The Office of the Secretary will provide, for your information, a list of documents identified, if any.

Your response is due to SECY, NLT, Thursday, March 24, 2011.

Enclosure:
Initial Request

FOIA/PA REQUEST

Case No.: 2011-0121Date Rec'd: 3-17-11Specialist: Christian

Related Case: _____

March 16, 2011

Roger Hannah, Senior Public Affairs Officer
Region II-Division of Regional Administrator

Mr. Hannah:

Under provisions of the Freedom of Information Act and under the Electronic Freedom of Information Act, 5 U.S.C 552, I am seeking copies of the following records:

- 1.) Any correspondence, e-mail or other documents created by NRC officials since March 11, 2011, referencing the words "Vogtle" and "Japan";
- 2.) Any correspondence, e-mail or other documents created by NRC officials since March 11, 2011, referencing the words "Summer" and "Japan".

Please consider this an expedited request. I meet the definition of "compelling need" as defined by your agency. This information is sought to inform the public concerning the safety of proposed nuclear power projects following a devastating earthquake and partial meltdown in Japan. The information is urgently needed by The Associated Press, which is engaged in disseminating information in order to inform the public about safety and health issues.

Whether an "urgency to inform" exists, according to the courts, depends on several factors: (1) whether the information relates to a currently unfolding story, (2) whether delaying release of the information harms the public interest, and (3) whether the request concerns federal governmental activity. *Al-Fayed v. CIA*, 245 F.3d 300 (D.C. Cir. 2001). In addition, "the credibility of a requestor" also is a "relevant consideration." *Id.* These factors underscore that an "urgency to inform" undeniably exists for the information sought by my request, that is not currently available to the public.

This request meets the standard of "urgency to inform" because it involves regulatory and safety decisions concerning the nuclear power industry. Delaying a response to this request would compromise the significant interest of the public to learn about how federal regulators are handling safety concerns after a historic nuclear crisis in Japan. This request concerns federal government activity. Finally, as the world's oldest and largest news organization, the AP is a credible requestor.

Please release any information pursuant to my requests as it is received and/or reviewed by your office, rather than waiting to send me all the material I have requested.

If there are any fees for searching for, or copying, the records I have requested, please supply the records without informing me if the fees do not exceed \$200.

As you know, the Act permits you to reduce or waive the fees when the release of the information is considered as "primarily benefiting the public." I believe that this request fits that category and I therefore ask that you waive any fees.

If all or any part of this request is denied, please cite the specific exemption(s) that you think justifies your refusal to release the information and inform me of your agency's administrative appeal procedures available to me under the law.

I would appreciate your handling this request as quickly as possible, and I look forward to hearing from you.

I declare under penalty of perjury that the foregoing is true and correct. Executed on March, 16, 2011.

Sincerely,

Ray Henry
The Associated Press
101 Marietta St. NW, Suite 2450
Atlanta, GA 30303
Cell: (b)(6)
rhenry@ap.org

From: Monninger, John
Sent: Friday, March 18, 2011 2:12 PM
To: Monninger, John
Subject: Out of Office: Availability of remote control helicopter

I am away from the office on Official Government Travel.

If you require assistance from the Office of the Chairman, please call 301-415-1750.

Thanks,
John Monninger

From: Monninger, John
Sent: Friday, March 18, 2011 2:12 PM
To: Devercelly, Richard; Kolb, Timothy
Cc: Monninger, John
Subject: Fw: Availability of remote control helicopter

Rich, Tim

See below. Can you get this to Joe Young and Rob Luke in the Embassy operations center. They are working tonight. The center is in the basement past the cafeteria. we are giving it to them for a heads up.

We will discuss the need for this with TEPOC CEO and Ministry of Defense tomorrow morning.

Thanks.

John Monninger

(b)(6)

----- Original Message -----

From: Bain, Rob CIV AIR 6.6.3 (b)(6)
To: LIA06 Hoc; RMTPACTSU_ELNRC@ofda.gov <RMTPACTSU_ELNRC@ofda.gov>; Monninger, John; Kolb, Timothy; Dunigan, Tim CAPT PMA-266 (b)(6); Picon, Manuel CDR NAVAIR, 4.1 (b)(6); Laray, William R CAPT NAVAIR (b)(6)
Cc: LIA08 Hoc; gregory.lynch@lmco.com <gregory.lynch@lmco.com>; kevin.petrosky@lmco.com <kevin.petrosky@lmco.com>; LIA01 Hoc; LIA11 Hoc
Sent: Fri Mar 18 11:53:45 2011
Subject: RE: Availability of remote control helicopter

All,

CAPT Dunigan is the PMA-266 Program Manager. His designated representative for this matter is CDR Picon, 301-757-5831. All inquiries should need to go through him. I can only advise in the areas of supportably.

R/Rob

Rob Bain
PMA-266 Cargo/MRMUAS APML
301-863-0191 x326

(b)(6)

-----Original Message-----

From: LIA06 Hoc [mailto:LIA06.Hoc@nrc.gov]
Sent: Friday, March 18, 2011 11:13
To: RMTPACTSU_ELNRC@ofda.gov; Monninger, John; Kolb, Timothy
Cc: LIA08 Hoc; LIA06 Hoc; gregory.lynch@lmco.com; kevin.petrosky@lmco.com; Bain, Rob CIV AIR 6.6.3; LIA01 Hoc; LIA11 Hoc
Subject: Availability of remote control helicopter

Based on an inquiry made by the NRC Liaison Team yesterday, Lockheed Martin found a remote control helicopter capable of handling a 5,000 pound payload. One is available at the Air National Guard base in Westboro, MA and can be deployed as soon as March 21, 2011 (Monday). Lockheed also has a TASE 150 camera for the helicopter and can also obtain a TASE 200 camera that has infared capability. Two more remote control helicopters may also be made available if needed.

We know that the equipment can't be deployed until DART has authorized it.

Kevin Petrosky is the Lockheed contact, and can be reached at 607-759-9503. The customer at Pax River who actually "owns" the asset is Rob Bain, and his number is 301-863-0191, x-326.

Please let me know if anyone has any questions or an corrections to the information above.

Mark Lombard

Liaison Team Director

U.S. Nuclear Regulatory Commission

Operations Center

From: RST01 Hoc
Sent: Friday, March 18, 2011 1:56 PM
To: Monninger, John; Casto, Chuck; Kolb, Timothy; Ulses, Anthony; Trapp, James
Subject: Sketch of SFP Cooling
Attachments: Temporary SFP Spray Cooling sketch Bechtel.pdf

The attached file provides a sketch of the proposed SFP spray cooling system. I don't have a list of everyone on your team, so please be sure that it is shared with everyone that needs it.

Joe Williams
RST Coordinator

(b)(4)

From: RMTPACTSU_ELNRC <RMTPACTSU_ELNRC@ofda.gov>
Sent: Friday, March 18, 2011 1:26 PM
To: RMT_PACTSU; DART_PACTSU
Subject: FW: USNRC Earthquake-Tsunami Update.031811.0600EDT
Attachments: NRC Status Update 3-18 11--0600am.pdf

Sorry about the timeliness issue. We had thought we sent this earlier.

From: LIA07 Hoc [mailto:LIA07.Hoc@nrc.gov]
Sent: Friday, March 18, 2011 6:14 AM
To: LIA07 Hoc
Subject: USNRC Earthquake-Tsunami Update.031811.0600EDT

Attached, please find a 0600 EDT from March 18 situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 11, 2011.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Thank you,

Rebecca Clinton
EBT Coordinator

From: LIA06 Hoc
Sent: Friday, March 18, 2011 12:56 PM
To: RMTPACTSU_ELNRC
Cc: Kolb, Timothy; Monninger, John; LIA08 Hoc
Subject: RE: Availability of remote control helicopter

PS-To help folks visualize what were are talking about, here is a link that provides some information on the remote control helicopter:

<http://www.lockheedmartin.com/products/K-MAX/index.html>

Here is a link to the TASE 150 camera information:

http://www.cloudcaptech.com/gimbal_tase150.shtm

Here is a link to the TASE 200 camera information, which has FLIR capability:

http://www.cloudcaptech.com/gimbal_tase200.shtm

Mark Lombard
Liaison Team Director
U.S. Nuclear Regulatory Commission
Operations Center

-----Original Message-----

From: RMTPACTSU_ELNRC [mailto:RMTPACTSU_ELNRC@ofda.gov]
Sent: Friday, March 18, 2011 12:07 PM
To: LIA06 Hoc
Cc: Kolb, Timothy; Monninger, John
Subject: RE: Availability of remote control helicopter

Mark,

(b)(5)

Please advise.

Jason Kozal
USNRC

202-712-4383 USAID ext

(b)(6)

BB

-----Original Message-----

From: LIA06 Hoc [mailto:LIA06.Hoc@nrc.gov]

Sent: Friday, March 18, 2011 11:55 AM

To: Bain, Rob CIV AIR 6.6.3; RMTPACTSU_ELNRC; Monninger, John; Kolb, Timothy; Dunigan, Tim CAPT PMA-266; Picon, Manuel CDR NAVAIR, 4.1; Laray, William R CAPT NAVAIR

Cc: LIA08 Hoc; gregory.lynch@lmco.com; kevin.petrosky@lmco.com; LIA01 Hoc; LIA11 Hoc

Subject: RE: Availability of remote control helicopter

Roger that Rob. With the cc's, our folks in Japan and at USAID have that information.

Mark Lombard

Liaison Team Director

U.S. Nuclear Regulatory Commission

Operations Center

-----Original Message-----

From: Bain, Rob CIV AIR 6.6.3 [mailto:(b)(6)]

Sent: Friday, March 18, 2011 11:54 AM

To: LIA06 Hoc; RMTPACTSU_ELNRC@ofda.gov; Monninger, John; Kolb, Timothy; Dunigan, Tim CAPT PMA-266; Picon, Manuel CDR NAVAIR, 4.1; Laray, William R CAPT NAVAIR

Cc: LIA08 Hoc; gregory.lynch@lmco.com; kevin.petrosky@lmco.com; LIA01 Hoc; LIA11 Hoc

Subject: RE: Availability of remote control helicopter

All,

CAPT Dunigan is the PMA-266 Program Manager. His designated representative for this matter is CDR Picon, 301-757-5831. All inquiries should need to go through him. I can only advise in the areas of supportably.

R/Rob

Rob Bain

PMA-266 Cargo/MRMUAS APML

301-863-0191 x326

(b)(6)

-----Original Message-----

From: LIA06 Hoc [mailto:LIA06.Hoc@nrc.gov]

Sent: Friday, March 18, 2011 11:13

To: RMTPACTSU_ELNRC@ofda.gov; Monninger, John; Kolb, Timothy

Cc: LIA08 Hoc; LIA06 Hoc; gregory.lynch@lmco.com; kevin.petrosky@lmco.com; Bain, Rob CIV AIR 6.6.3; LIA01 Hoc; LIA11 Hoc

Subject: Availability of remote control helicopter

Based on an inquiry made by the NRC Liaison Team yesterday, Lockheed Martin found a remote control helicopter capable of handling a 5,000 pound payload. One is available at the Air National Guard base in Westboro, MA and can be deployed as soon as March 21, 2011 (Monday).

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We know that the equipment can't be deployed until DART has authorized it.

Kevin Petrosky is the Lockheed contact, and can be reached at 607-759-9503. The customer at Pax River who actually "owns" the asset is Rob Bain, and his number is 301-863-0191, x-326.

Please let me know if anyone has any questions or an corrections to the information above.

Mark Lombard

Liaison Team Director

U.S. Nuclear Regulatory Commission

Operations Center

From: LIA06 Hoc
Sent: Friday, March 18, 2011 12:39 PM
To: RMTPACTSU_ELNRC
Cc: Kolb, Timothy; Monninger, John; LIA08 Hoc
Subject: RE: Availability of remote control helicopter

Jason,

(b)(5)

Mark Lombard
Liaison Team Director
U.S. Nuclear Regulatory Commission
Operations Center

-----Original Message-----

From: RMTPACTSU_ELNRC [mailto:RMTPACTSU_ELNRC@ofda.gov]
Sent: Friday, March 18, 2011 12:07 PM
To: LIA06 Hoc
Cc: Kolb, Timothy; Monninger, John
Subject: RE: Availability of remote control helicopter

Mark,

(b)(5)

Please advise.

Jason Kozal
USNRC
202-712-4383 USAID ext

(b)(6)

BB

-----Original Message-----

From: LIA06 Hoc [mailto:LIA06.Hoc@nrc.gov]

Sent: Friday, March 18, 2011 11:55 AM

To: Bain, Rob CIV AIR 6.6.3; RMTPACTSU_ELNRC; Monninger, John; Kolb, Timothy; Dunigan, Tim CAPT PMA-266; Picon, Manuel CDR NAVAIR, 4.1; Laray, William R CAPT NAVAIR

Cc: LIA08 Hoc; gregory.lynch@lmco.com; kevin.petrosky@lmco.com; LIA01 Hoc; LIA11 Hoc

Subject: RE: Availability of remote control helicopter

Roger that Rob. With the cc's, our folks in Japan and at USAID have that information.

Mark Lombard
Liaison Team Director
U.S. Nuclear Regulatory Commission
Operations Center

-----Original Message-----

From: Bain, Rob CIV AIR 6.6.3 [mailto:(b)(6)]

Sent: Friday, March 18, 2011 11:54 AM

To: LIA06 Hoc; RMTPACTSU_ELNRC@ofda.gov; Monninger, John; Kolb, Timothy; Dunigan, Tim CAPT PMA-266; Picon, Manuel CDR NAVAIR, 4.1; Laray, William R CAPT NAVAIR

Cc: LIA08 Hoc; gregory.lynch@lmco.com; kevin.petrosky@lmco.com; LIA01 Hoc; LIA11 Hoc

Subject: RE: Availability of remote control helicopter

All,

CAPT Dunigan is the PMA-266 Program Manager. His designated representative for this matter is CDR Picon, 301-757-5831. All inquiries should need to go through him. I can only advise in the areas of supportably.

R/Rob

Rob Bain
PMA-266 Cargo/MRMUAS APML
301-863-0191 x326

(b)(6)

-----Original Message-----

From: LIA06 Hoc [mailto:LIA06.Hoc@nrc.gov]

Sent: Friday, March 18, 2011 11:13

To: RMTPACTSU_ELNRC@ofda.gov; Monninger, John; Kolb, Timothy

Cc: LIA08 Hoc; LIA06 Hoc; gregory.lynch@lmco.com; kevin.petrosky@lmco.com; Bain, Rob CIV AIR 6.6.3; LIA01 Hoc; LIA11 Hoc

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Please let me know if anyone has any questions or an corrections to the information above.

Mark Lombard

Liaison Team Director

U.S. Nuclear Regulatory Commission

Operations Center

From: Devercelly, Richard
Sent: Friday, March 18, 2011 12:33 PM
To: Nakamura.kazuyuki@tepcoco.jp; Yoshihiko.oishi@cas.go.jp
Cc: Smith, Brooke; Casto, Chuck; Kolb, Timothy; Devercelly, Richard; Cook, William; Nakanishi, Tony; Foster, Jack; Trapp, James; Monninger, John; Foggie, Kirk
Subject: RE: Calc on sand in SFP

As requested, the pool calcs are forwarded.

From: Patel, Pravin
Sent: Thursday, March 17, 2011 10:56 AM
To: RST01 Hoc; RST01 Hoc
Cc: Shams, Mohamed; Patel, Pravin; Tegeler, Bret; Ma, John; Shea, James
Subject: Spent fuel pool filled with sand Unit 4 Japan

Jim,

(b)(5)

Pravin

From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Friday, March 18, 2011 11:41 AM
To: NITOPS; JapanEmbassy, TaskForce; Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulises, Anthony
Subject: FW: Updated Factsheet
Attachments: 110318_1400rev_factsheet.doc; 110318monitoring_data.pdf

Updated information from METI/ANRE.

This email is UNCLASSIFIED

-----Original Message-----

From: 那須 良 [mailto:nasu-ryo@meti.go.jp]
Sent: Friday, March 18, 2011 8:34 PM
To: Cherry, Ronald C
Cc: '南 亮'; yamato-koji@meti.go.jp; miura-satoshi3@meti.go.jp; sugita-rie@meti.go.jp
Subject: Updated Factsheet

Dear Mr. Cherry,

This is Ryo Nasu, a chief deputy director of international Affairs division.
The fact sheet we sent you before is updated today.
Please share these materials with your colleagues in DC.

Thank you.

Best Regards,
Ryo

Ryo NASU
Deputy-Director
International Affairs Division
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry, JAPAN
tel: +81-3-3501-0598
fax: +81-3-3595-3056
nasu-ryo@meti.go.jp

-----Original Message-----

From: minami-ryo@meti.go.jp [mailto:minami-ryo@meti.go.jp]

Sent: Wednesday, March 16, 2011 6:22 PM
To: CherryRC@state.gov
Cc: yamato-koji@meti.go.jp; nasu-ryo@meti.go.jp
Subject: Updated Factsheet

Dear Mr.Cherry,

This is updated fact sheet.
Could you please send this to DC?

Thank you.
(添付ファイル: 110315_2330rev_factseet.pdf)

=====

南 亮 (Ryo MINAMI)
経済産業省 資源エネルギー庁
国際課長
Director, International Affairs Division Agency for Natural Resources and Energy, METI

tel +81-3-3501-1511

cell (b)(6)

=====

Fukushima Dai-ichi(1F) West Gate (near MP-5) (at approximately 1.1km from Unit 2 and in west direction)

Measure at west gate because of the risk of high dose at MP-6

March 17,2011															
monitoring car	0:30	0:50	1:30	2:00	2:30	3:00	3:30	4:00	4:30	5:00	5:30	6:00	6:30	7:00	7:30
Reading (μ Sv/h)	351.4	350.1	348.2	345.9	344.8	344.8	341.7	340.8	339.4	338.3	338.1	334.7	333.8	314.5	313.5
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	NE	SSW	E	W	NW	N	W	W	NW	W	W	W	W	W	W
wind speed (m/s)	1.1	0.4	0.9	0.5	1.5	1.5	1.8	1.8	1.0	1.3	2.3	3.1	3.8	3.7	3.8

Fukushima Dai-ichi(1F) near gymnasium (east side of MP-5) (at approximately 0.9km from Unit 2 and in west-northwest direction)

Move to another place for injection water in Reactor Building

March 17, 2011							
monitoring car	7:50	8:00	8:30	8:40	8:50	9:00	9:10
Reading (μ Sv/h)	381.3	378.0	373.0	372.5	372.7	373.7	371.9
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	W	SW	WSW	SW	SW	SW	SW
wind speed (m/s)	3.7	3.7	3.2	3.8	3.4	3.7	3.0

Fukushima Dai-ichi(1F) north side of main building (approximately 0.4km from Unit 2 and in northwest direction)

March 17, 2011									
monitoring car	8:30	9:40	9:50	10:00	10:10	10:20	10:30	10:40	10:50
Reading (μ Sv/h)	3788.0	3782.0	3763.0	3759.0	3755.0	3754.0	3750.0	3753.0	3743.0
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	W	WSW	W	NW	NW	W	W	WSW	SW
wind speed (m/s)	5.1	6.0	6.8	6.2	6.8	6.2	7.0	4.5	2.2

Fukushima Dai-ichi(1F) Main Gate (near MP-6) (at approximately 1.0km from Unit 2 and in west-southwest direction)

March 17, 2011		
monitoring car	11:00	11:10
Reading (μ Sv/h)	847.3	848.2
neutron	N.D	N.D
wind direction	NW	NNW
wind speed (m/s)	4.8	2.3

Fukushima Dai-ichi(1F) West Gate (near MP-5) (at approximately 1.1km from Unit 2 and in west direction)

March 17, 2011								
monitoring car	11:16	11:20	11:30	12:00	12:30	13:00	13:10	13:20
Reading (μ Sv/h)	313.1	312.5	312.3	311.0	310.7	308.7	309.3	309.1
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	NW	W	WNW	W	W	W	W	W
wind speed (m/s)	4.7	4.4	2.9	3.5	3.5	3.8	3.5	3.1

Fukushima Dai-ichi(1F) north of main building (at approximately 0.5km from Unit 2 and in northwest direction)

March 17, 2011			
monitoring car	13:30	13:40	14:00
Reading (μ Sv/h)	4176.0	4185.0	3810.0
neutron	N.D	N.D	N.D
wind direction	NW	W	W
wind speed (m/s)	4.5	4.7	5.2

Fukushima Dai-ichi(1F) West Gate (near MP-5) (at approximately 1.1km from Unit 2 and in west direction)

March 17, 2011				
	14:10	14:30	15:00	15:30
	311.1	310.3	309.1	308.7
	N.D	N.D	N.D	N.D
	NW	W	W	W
	5.8	3.5	3.2	3.1

Fukushima Dai-ichi (1F) north of main building (at approximately 0.5km from Unit 2 and in northwest direction)

March 17, 2011																							
monitoring car	15:50	15:55	16:00	16:05	16:10	16:15	17:00	17:05	17:10	17:15	17:20	17:25	17:30	17:35	17:40	17:45	17:50	17:55	18:00	18:05	18:10	18:15	18:20
Reading (μ Sv/h)	3700.0	3699.0	3698.0	3695.0	3695.0	3691.0	3678.0	3678.0	3675.0	3675.0	3672.0	3670.0	3667.0	3665.0	3639.0	3653.0	3650.0	3649.0	3649.0	3645.0	3641.0	3641.0	3643.0
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	W	W	W	W	W	W	W	NW	NW	NW	NW	W	NW	NW	WNW	W	W	W	WNW	W	NW	W	W
wind speed (m/s)	5.2	4.7	4.3	4.1	4.3	4.1	3.1	3.3	2.8	2.7	3.3	3.2	3.4	3.7	3.8	3.3	2.7	2.4	2.1	2.2	2.4	2.4	2.6

March 17, 2011											
monitoring car	18:25	18:30	18:35	18:40	18:50	19:00	19:10	19:20	19:50	20:00	20:10
Reading (μ Sv/h)	3643.0	3643.0	3637.0	3638.0	3638.0	3630.0	3628.0	3623.0	3598.0	3601.0	3598.0
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	W	WNW	NW	NW	WNW	WSW	WNW	W	NW	NE	WNW
wind speed (m/s)	2.8	2.7	2.7	2.9	2.4	2.7	2.7	2.3	4.8	1.5	1.4

West Gate (near MP-5) (at approximately 1.1km from Unit 2 and in west direction)

March 17, 2011																			
monitoring car	20:40	21:00	21:10	21:20	21:30	21:40	21:50	22:00	22:10	22:20	22:30	22:40	22:50	23:00	23:10	23:20	23:30	23:40	23:50
Reading (μ Sv/h)	292.2	291.9	291.7	291.3	291.2	291.1	290.9	290.4	289.9	289.7	289.6	289.5	289.0	289.0	288.6	288.7	287.8	288.6	
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	WNW	NW	NW	W	NW	NW	NW	NW	NW	WNW	NW	NW	NW	NE	NW	WNW	NW	NW	NW
wind speed (m/s)	1.2	0.9	1.0	1.7	1.8	1.5	1.5	1.4	1.5	1.3	1.0	1.3	1.2	0.9	0.9	0.7	1.2	1.3	1.0

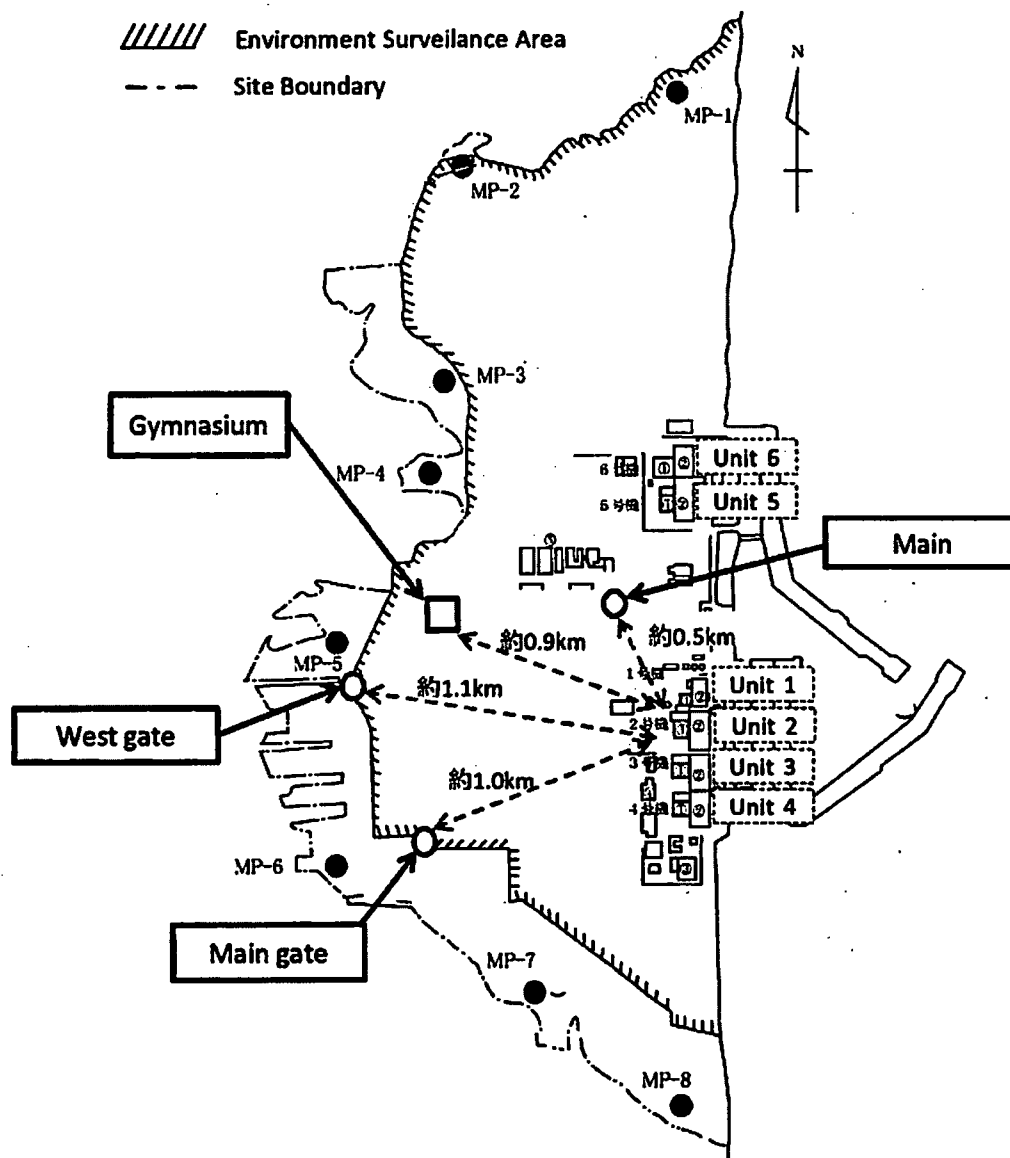
March 18, 2011																							
monitoring car	0:00	0:10	0:20	0:30	0:40	0:50	1:00	1:10	1:20	1:30	1:40	1:50	2:00	2:10	2:20	2:30	2:40	2:50	3:00	3:10	3:20	3:30	3:40
Reading (μ Sv/h)	287.0	287.3	288.6	288.4	288.3	288.0	289.6	289.5	289.2	284.9	284.6	284.4	284.0	283.7	283.7	283.5	283.0	282.9	282.6	282.2	282.1	281.8	281.5
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
Reading (μ Sv/h)	W	W	W	W	NW	WNW	NW	NW	NW	N	NW	NW	NW	NW	NW	NW	NE	NW	W	WNW	WNW	W	NW
wind speed (m/s)	1.4	1.0	1.0	0.8	0.9	1.0	1.8	1.5	1.7	1.4	0.9	0.6	1.0	0.5	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.7	0.6

March 18, 2011																							
monitoring car	3:50	4:00	4:10	4:20	4:30	4:40	4:50	5:00	5:10	5:20	5:30	5:40	5:50	6:00	6:10	6:20	6:30	6:40	6:50	7:00	7:10	7:20	7:30
Reading (μ Sv/h)	281.1	281.1	280.9	280.7	280.2	280.0	278.8	279.4	278.3	278.0	278.8	278.9	277.1	274.0	274.0	273.8	274.1	272.7	273.4	272.4	271.7	271.6	271.4
neutron	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	E	W	W	N	NW	N	NE	NNE	NW	N	NW	NW	N	NE	N	N	W	NW	W	W	N	N	W
wind speed(m/s)	0.4	0.5	0.5	0.4	0.2	0.6	0.5	0.5	0.5	0.6	0.7	1.0	1.0	1.3	1.6	1.4	1.2	1.5	1.6	2.3	2.1	1.9	2.0

March 18, 2011						
monitoring car	7:40	7:50	8:00	8:10	8:20	8:30
Reading (μ Sv/h)	271.1	271.2	270.5	270.3	269.9	269.9
neutron	N.D	N.D	N.D	N.D	N.D	N.D
wind direction	NW		NW	NW	NW	NW
wind speed (m/s)	2.8	3.0	2.7	2.9	3.4	3.7

Fukushima Dai-ichi

2011/3/17

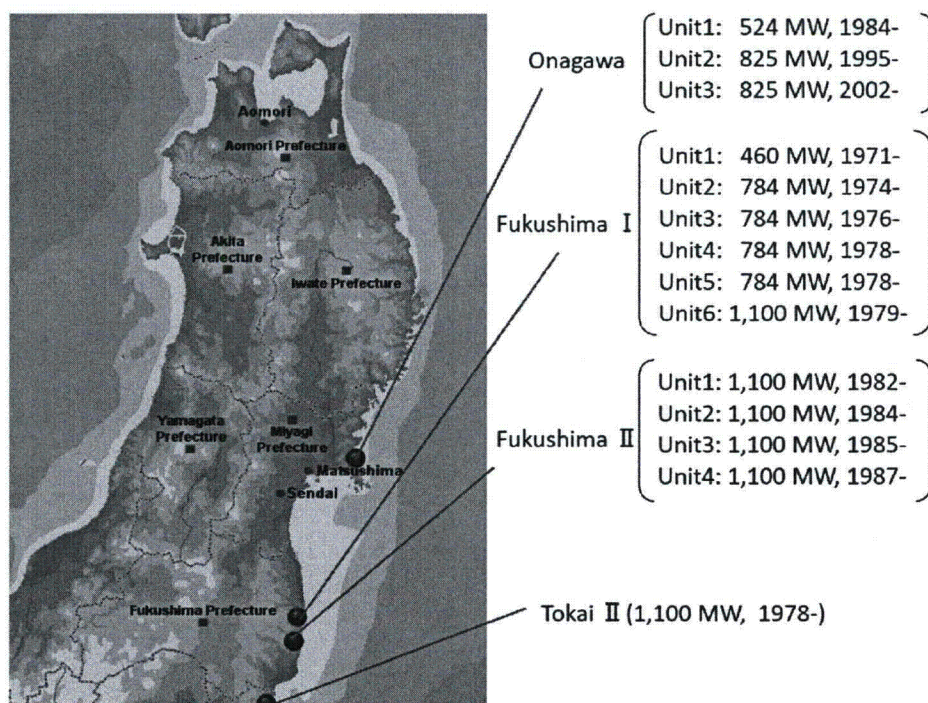


Tohoku Pacific Earthquake and the seismic damage to the NPSs

11. 03. 18 As of 14:00

Ministry of Economy, Trade and industry

Earthquake occurrence and automatic shut-down of nuclear reactors



The Tohoku Pacific Earthquake of magnitude 9.0 struck the northeastern part of Japan at 2:46 pm on March 11th, 2011.

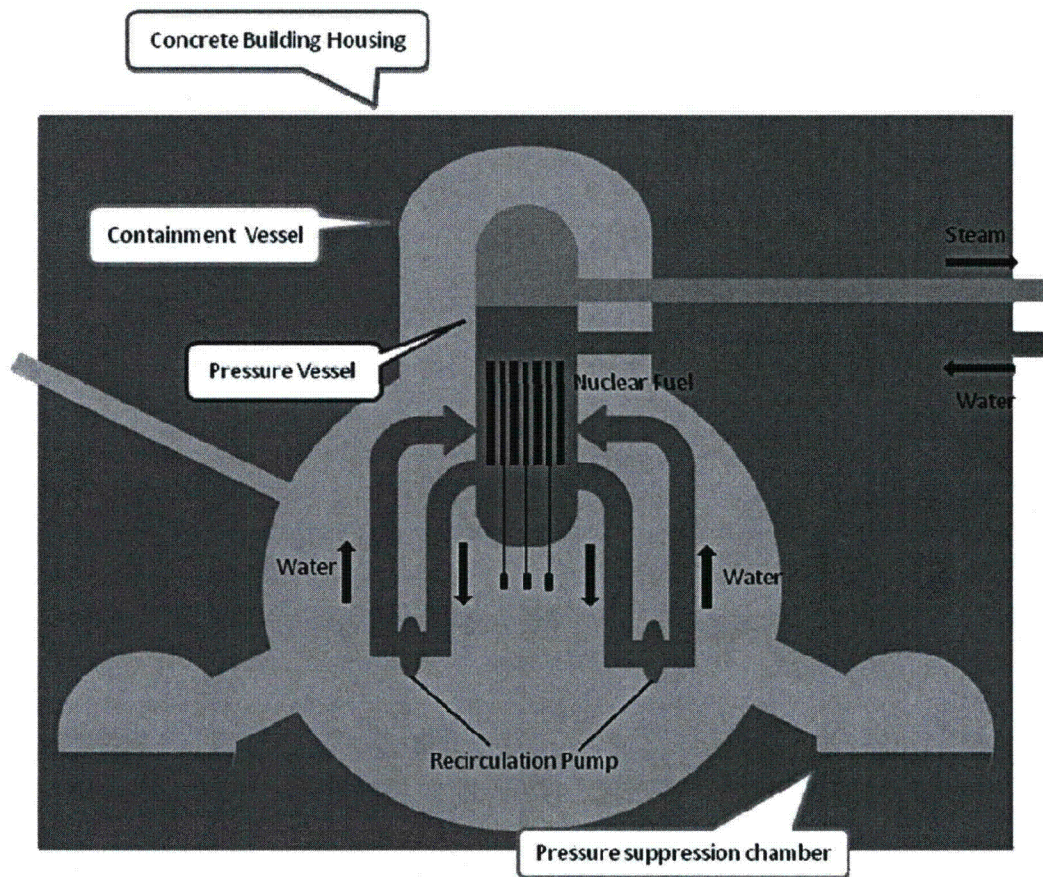
While 3 reactors (Fukushima Dai-ichi (I) Unit 4,5,6) were under periodic inspection, 11 reactors (Onagawa Unit 1,2,3; Fukushima Dai-ichi (I) 1,2,3; Fukushima-Dai-ni (II) Unit 1,2,3,4; and Tokai Dai-ni (II)) were automatically shut-down.

After the automatic shut-down, the Unit 1-3 at Onagawa Nuclear Power Station, the Unit 3 at Fukushima II Nuclear Power Station, and the Unit at Tokai II Nuclear Power Station have been cold shut down safely. As for the unit 1,2,4 at Fukushima II Nuclear Power Station the operator of the station reported NISA nuclear emergency situation, but afterward the three units have been cold shut down.

Outline of the Fukushima I Nuclear Power Station



(Fukushima Dai-ichi nuclear power station)



(Structure of BWR)

Report concerning incidents at Unit1, 2, 3 and 4 at the Fukushima I NPS

Unit 1 Seawater is being injected into the reactor pressure vessel as of 6:30 March 18th.

- On March 11th, after the automatic shut-down of the reactor, the temperature of the reactor core went up, because the seawater pump which is necessary to operate cooling systems lost its water supply function due to the devastating Tsunami.
- On March 12th, water levels inside the pressure vessel dropped and the reaction of cladding metal of fuel and water generated hydrogen. The hydrogen leaked outside of the containment vessel and caused the explosion at the upper-part of a concrete building housing at 15:36 on March 12,
- Currently, seawater is being injected into the reactor pressure vessel. There is no risk of a hydrogen explosion in the containment vessel because there is no oxygen in it. There is no high probability of leaking large amount of radioactive material currently.

Unit 2 Seawater is being injected into the reactor pressure vessel as of 17:30 March 17th.

- After the automatic shut-down of the reactor, the water injection function was sustained, but the reactor water level tended to decrease.
- At 6:10 on March 15th, TEPCO reported that there was an explosion sound at Unit 2. Given the fact that the pressure in the suppression chamber of Unit 2 decreased. It is presumed that the possibility of certain damage on the suppression chamber.
- Currently, seawater is being injected into the reactor pressure vessel. White smoke is running from reactor building through blowout panel.

Unit 3 Several counter measures are being used to cool down Unit 3 as of 17:30 March 17th.

- After the automatic shut-down of the reactor, on March 13th fresh water and subsequently seawater were injected into the reactor pressure vessel through the fire extinguishing system line.
- The explosion took place around the reactor building of Unit 3 at 11:01 on March 14th.
- At 8:30 on March 16th, white smoke like steam was generated from Unit 3. Because of the possibility that the containment vessel of Unit 3 was damaged, the operators evacuated from the central control room of Unit 3 and 4 at 10:45 on March 16th. Thereafter, the operators returned to the room and restarted the operation for water injection into the reactor pressure vessel at 11:30 on March 16th.
- Helicopters and water cannon trucks of Self Defense Forces discharged water to Unit 3 from sky and ground on March 17th. Riot police also shot water from ground. Currently, seawater is being injected into the reactor pressure vessel.

Unit 1,2 &3

- As Cesium and Iodine were detected, it was believed that a part of nuclear fuel was damaged and a small amount of radioactive material was leaked into core cooling water.

Unit 4 There are no fuel in the reactor pressure vessel due to replacement work of a shroud.

- It was confirmed that a part of wall of the operation floor of the reactor building of Unit 4 was damaged on March 15th. A fire took place at Unit 4 at 9:38 on March 15th, but the fire was extinguished spontaneously.
- At 5:45 on March 16th, it was reported that a fire occurred at Unit 4; however, no

fire was confirmed by TEPCO staff on the ground at 6:15 on March 16th.

- The temperature of water in the spent fuel storage pool went up.

Unit 5&6 Back up power of Unit 6 is in working condition and power supply to Unit 5&6 is maintaining as of March 17th

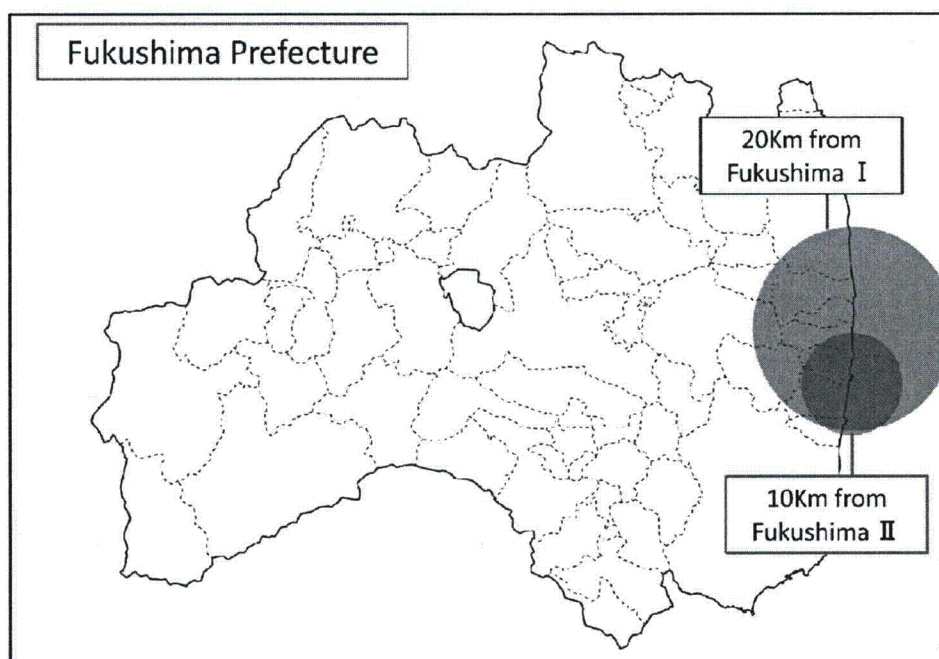
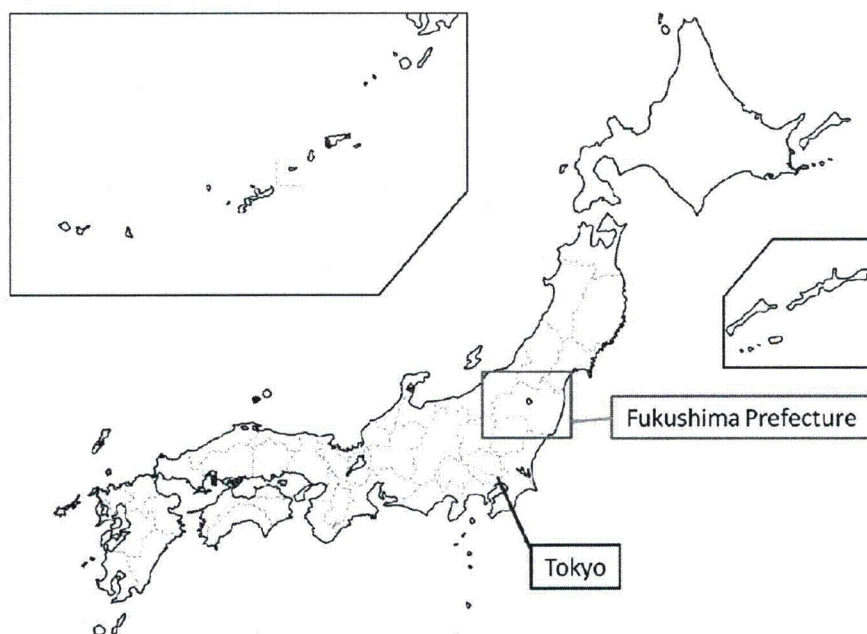
- Fresh water is being injected into reactor pressure vessels and spent fuel pools by Make-Up Water Condensate system.

Current Situation

- Evacuation as far as 20 kilometers from Fukushima I NPS and 10 kilometers from Fukushima II was almost completed (see the diagram below). The residents in the areas from 20 kilometers to 30 kilometers radius from Fukushima I NPS are directed to stay in-house.
- On March 16th, the Local Emergency Response Headquarter issued “the direction to administer the stable Iodine during evacuation from the evacuation area (20 km radius)” to the Prefecture Governors and the heads of cities, towns and villages.

*The data of Monitoring Post out of 20 Km Zone of Fukushima Dai-ichi NPP is available at following URL.

http://www.mext.go.jp/a_menu/saigaijohou/syousai/1303726.htm



From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Friday, March 18, 2011 11:25 AM
To: Harrington, Anne; Shearer, Jon E; Connery, Joyce; Fitzgerald, Paige; NITOPS; JapanEmbassy, TaskForce; Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony
Cc: Buzzard, Christine M; Vogler, Katherine M; Martin, Loretta G; Ustyuzhanin, Andrey P; Roecker, Scott; Mustin, Tracy; Huizenga, David; Duncan, Aleshia D; Peko, Damian
Subject: RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

Anne,

Thanks very much. I'm forwarding the input from Areva about the MOX in the Unit 3 core to both the Nuclear Team (as input to their assessments) and the Embassy Task Force (for info).

Ron

This email is UNCLASSIFIED.

From: Harrington, Anne [mailto:Anne.Harrington@NNSA.Doe.Gov]
Sent: Saturday, March 19, 2011 12:21 AM
To: Cherry, Ronald C; Shearer, Jon E; Connery, Joyce; Fitzgerald, Paige; NITOPS
Cc: Buzzard, Christine M; Vogler, Katherine M; Martin, Loretta G; Ustyuzhanin, Andrey P; Roecker, Scott; Mustin, Tracy; Huizenga, David; Duncan, Aleshia D; Peko, Damian
Subject: RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

Ron,

Thanks for the update. As far as we know from AREVA, there is no spent fuel in the pools that contain MOX. Below is what we received yesterday from the AREVA technical team:

(b)(5)

(b)(5)

From: Cherry, Ron
Sent: Friday, March 18, 2011 11:18 AM
To: Harrington, Anne; Shearer, Jon; Connery, Joyce; Fitzgerald, Paige; NITOPS
Cc: Buzzard, Christine (State); Vogler, Katherine; Martin, Loretta G; Ustyuzhanin, Andrey P; Roecker, Scott; Mustin, Tracy; Huizenga, David; Duncan, Aleshia (State Dept); Peko, Damian
Subject: RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

This meeting happened. Damian Peko accompanied the NRC reps. His write-up is pasted below.

Thanks.

Ron

(b)(5)

They heavy equipment that we saw was associated with Tsunami relief and was not related to dealing with the reactor plants.

This email is UNCLASSIFIED.

From: Harrington, Anne [mailto:Anne.Harrington@NNSA.Doe.Gov]
Sent: Friday, March 18, 2011 9:30 PM
To: Shearer, Jon E; Connery, Joyce; Fitzgerald, Paige; Cherry, Ronald C
Cc: Buzzard, Christine M; Vogler, Katherine M; Martin, Loretta G; Ustyuzhanin, Andrey P; Roecker, Scott; Mustin, Tracy; Huizenga, David
Subject: RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

Jon,

This is all very important information. Please copy Ron Cherry at the DOE office/Embassy Tokyo on any information to shorten the communications pathway.

Anne

From: Shearer, Jon
Sent: Thursday, March 17, 2011 12:59 PM
To: Connery, Joyce; Fitzgerald, Paige
Cc: Buzzard, Christine (State); Vogler, Katherine; Martin, Loretta G; Ustyuzhanin, Andrey P; Roecker, Scott; Mustin, Tracy; Huizenga, David; Harrington, Anne
Subject: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

Joyce/Paige,

As discussed by Deputy Secretary Poneman and Director General Kiriyeenko, Mikhail Lysenko sent Christine Buzzard the names of the Russian experts with Chernobyl experience currently in Japan. When Kiriyeenko said they were not being used and that the Russians might bring them back to Russia, the DepSec offered to talk to the Japanese government and see if they could not make use of that experience in dealing with the situation in Fukushima. The names of the three gentlemen Mr. Kiriyeenko mentioned are below, with a **link** to biographical and contact info for Mr. Asmolov.

Asmolov, V.G. – Biography at
<http://rosenergoatom.ru/wps/wcm/connect/rosenergoatom/site/about/leadership/asmolov/>

Strizhov, V.F. (CV attached)

Pluzhnik, S.N. , a representative of Rosatom in Japan, (tel: +81-80-51-91-1788) *be advised that this is a Japanese phone number*

In Russian;

1. Асмолов В.Г. Биография -;
<http://rosenergoatom.ru/wps/wcm/connect/rosenergoatom/site/about/leadership/asmolov/>

тел. +7-985-970-6932;

2. Стризов В.Ф. (биография прилагается);

3. Плужник С.Н., представитель Госкорпорации «Росатом» в Японии; тел. +81-80-51-91-1788.

<<(E)_Strizhov_CV.DOC>>

---Jon

Jon Shearer

Deputy Director

Department of Energy Moscow Office

shearerje@state.gov

7(495)728-5220/5202

From: RMTPACTSU_LC <RMTPACTSU_LC@ofda.gov>
Sent: Friday, March 18, 2011 11:31 AM
To: RMT_PACTSU; DART_PACTSU
Subject: FW: JAPAN: Relief Items

FYI

From: Virginie Bohl [mailto:bohl@un.org]
Sent: Friday, March 18, 2011 5:14 AM
Subject: JAPAN: Relief Items

For the attention of all stockpile holders

Dear All,

Should you intend to despatch relief items to Japan, we are pleased to inform you that the Government of Japan has requested its position on international donations of relief items and on international Non-Governmental Organizations (NGOs) operating in Japan be made public.

QUOTE

With regard to relief items, the Government of Japan has received offers for relief goods/material from many countries, international organizations, NGOs and private sector. The Government is identifying the needs and establishing a mechanism for storage and transportation to affected people. Therefore, it is recommended not to send any relief goods without coordination with the Government and local governments.

The Government of Japan's Ministry of Foreign Affairs is coordinating all offers of assistance. Please contact the nearest Japanese Embassy, which will ensure the liaison with the Ministry of Foreign Affairs.

The NGO contact person is Matahiro Yamaguchi, Director of NGO Cooperation Division, International Cooperation Bureau. matahiro.yamaguchi@mofa.go.jp +81 3 5501 8361

Private sector requests should go through Yukio Yoshii, the Special Coordinator for Overseas Disaster Assistance, Humanitarian Assistance and Emergency Relief Division. yukio.yoshii@mofa.go.jp +81 355018359

UNQUOTE

Other information on the earthquake/tsunami in Japan are available on virtual osocc at <http://vosocc.unocha.org/>

Thank you and best regards,

Ms. Virginie Bohl
Logistics Support Unit
Emergency Services Branch
Office for the Coordination of Humanitarian Affairs

United Nations - Geneva

Tel. +41 (0) 22 917 17 92

Mobile: (b)(6)

Fax. +41 (0) 22 917 00 23

<http://ochaonline.un.org/logistics>

<http://www.facebook.com/UNOCHA>

New GLOBAL MAPPING OF EMERGENCY STOCKPILES

NEW: <http://www.humanitarianinfo.org/stockmap>

From: Cherry, Ronald C <CherryRC@state.gov>
Sent: Friday, March 18, 2011 11:03 AM
To: Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony
Subject: FW: AMB Recurring Meetings.docx
Attachments: AMB Recurring Meetings.docx

All:

Please note the attached daily schedule, starting with 9:30 am "nuclear reactor update" meeting.

I understand Damian will forward the updated reactor matrix. Please cc me, Aleshia, and Bruce. If there is no updated information, please indicate that.

Thanks.

Ron

This email is UNCLASSIFIED.

From: Angelov, Bonnie A
Sent: Friday, March 18, 2011 10:43 PM
To: 'DartDOELiaison1@OFDA.gov'; Cherry, Ronald C; Tong, Kurt W; Luke, Robert S; Young, Joseph M; Chang, Benjamin; Kelley, Karen D (IO/Tokyo); Cooper, Justin D; Berger, William (RDMA/OFDA); Beed, John A; Beed, John; Fitzgerald, Paul M; JapanEmbassy, TaskForce
Cc: Basalla, Suzanne I; Fuller, Matthew G; Hinds, Lynda J; Alexander, Kathleen J; Zumwalt, James P
Subject: AMB Recurring Meetings.docx

Dear All,

Attached is the list of recurring meetings on the Ambassador's schedule, including participants for each meeting. Please review and note on your calendars as appropriate. This will be the daily schedule including Saturday and Sunday, unless you are notified otherwise.

See you tomorrow.

Bonnie

This email is UNCLASSIFIED.

PROPOSED SCHEDULE FOR AMBASSADOR

0800 -- Bonnie receives email updates for AMB's Read Book; prepares book

- Military update – Action: DATT
- Press package – Action: PAS
- Reactor update matrix – Action: DOE
- State Department SITREPS – Action: None – Bonnie on distro
- Embassy JECC SITREPS – Action: None – Bonnie on distro

0900 – EAC (as needed)

0930 – Nuclear Reactor Update – Ambassador's Office

- Chuck Casto
- Alan Remick
- DOE rep
- Kurt Tong
- Rob Luke/Joe Young
- Others as required

1000 – Press Strategy Session – Ambassador's Office

- Ben Chang
- Karen Kelley
- Kurt Tong
- Others from PAS as required

1330 - Tandberg with General Field and JTF 505 leadership – 9th Floor VTC "Bubble"

- CAPT Cooper
- Bill Berger/John Beed
- JTF 505 Liaison officer
- Kurt Tong

1400 – Press Prep

- CG
- Bill Berger/John Beed
- NRC
- PAS

- Kurt Tong

1500 - Press availability (as needed)

1800 - Daily Round Up - 9th Floor Conference Room

- DCM
- Kurt Tong
- Head of Task Force
- Paul Fitzgerald
- Karen Kelley
- Ben Chang
- Bill Berger
- John Beed
- Justin Cooper
- Rob Luke
- Chuck Casto & Alan Remick (radiation monitoring and health effects expert)

2030 OR 2100 – DC meeting on Japan (SVTC)

- DCM, Kurt Tong
- Bill Berger, John Beed

From: Magee, Erin K. (DCHA/OFDA) <emagee@ofda.gov>
Sent: Friday, March 18, 2011 10:56 AM
To: DART_PACTSU; RMTPACTSU_DMO; RMTPACTSU_DMP; RMTPACTSU_INC;
RMTPACTSU_PRO; RMTPACTSU_RM
Subject: (SBU) 03.18.11 - USAID/DART Japan Earthquake and Tsunami Field Notes #6
Attachments: (SBU) 03.18.11 - USAID-DART Japan Field Notes #6.doc

--U.S. Government Only--

~~Please Note: This is for information purposes only. Please do not distribute outside of the RMT or DART.~~

(SBU) USAID/DART Japan Earthquake and Tsunami Field Notes #6

03.18.11

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Erin Magee
Information Officer

USAID Disaster Assistance Response Team (USAID/DART) Japan Earthquake and Tsunami Cell Phone:

(b)(6)

Email: emagee@ofda.gov; emagee@usaid.gov

(b)(5)

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(b)(5)

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(b)(5)

From: Smith, Brooke
Sent: Friday, March 18, 2011 10:56 AM
To: Foggie, Kirk; Foster, Jack; Devercelly, Richard; Monninger, John; Kolb, Timothy; Ulses, Anthony; Trapp, James; Cook, William; Nakanishi, Tony; Casto, Chuck
Subject: Calc on sand in SFP
Importance: High

We have been requested to send the calculations done on putting sand in the SFP. I'm not sure who has this information or in what format it is in. It needs to be sent to:

Nakamura.kazuyuki@tepcoco.jp
Yoshihiko.oishi@cas.go.jp

Sent from an NRC Blackberry.
Brooke G. Smith

(b)(6)

From: McKelvin, Sheila
Sent: Friday, March 18, 2011 10:32 AM
To: Batkin, Joshua; Monninger, John; Bradford, Anna; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho
Cc: Vietti-Cook, Annette; Jaegers, Cathy; Clayton, Kathleen; McKelvin, Sheila; Champ, Billie
Subject: Incoming Congressional Correspondence
Attachments: (b)(5)

The assignment for the attached document is as follows:

(b)(5)

Sheila McKelvin, SECY

EARL BLUMENAUER
THIRD DISTRICT, OREGON

COMMITTEE ON WAYS AND MEANS

SUBCOMMITTEES:
TRADE
SELECT REVENUE MEASURES

COMMITTEE ON BUDGET



Congress of the United States
House of Representatives
Washington, DC 20515-3703

March 16, 2011

WASHINGTON OFFICE:
2267 RAYBURN BUILDING
WASHINGTON, DC 20515
(202) 225-4811
FAX: (202) 225-8941

DISTRICT OFFICE:
729 N.E. OREGON STREET
SUITE 115
PORTLAND, OR 97232
(503) 231-2300
FAX: (503) 230-5413
website: blumenauer.house.gov

Lisa Jackson
Administrator
Environmental Protection Agency
US EPA Ariel Rios Building
1200 Pennsylvania Ave, NW
Washington, DC 20004

Gregory Jaczko
Chairman
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Dear Administrator Jackson and Chairman Jaczko,

I write to inquire about the potential risk to U.S. West Coast communities from the explosions and release of radiation from the Fukushima Daiichi nuclear facility in Japan. In a region that is already breathing air pollution from China, my constituents are concerned about radiation contamination from the facility reaching the West Coast.

While a number of experts have indicated that contamination in the U.S. as a result of the Japanese catastrophe is unlikely, I would like to better understand the agencies' contingency plans and your plan for disseminating information to concerned citizens. At your earliest convenience, please respond to me with the following information:

- What is the U.S. Government doing to monitor radiation levels over the Pacific?
- What steps is the Government taking to plan for a scenario in which radiation is elevated to unsafe levels?
- How does the Government plan to provide information about this potential risk to citizens?

Thank you for your attention to this request. I look forward to being able to assure my constituents that the U.S. Government has a plan and to be able to tell them where they can find more information about the situation.

Sincerely,

Earl Blumenauer
Member of Congress

From: Champ, Billie
Sent: Friday, March 18, 2011 10:12 AM
To: Batkin, Joshua; Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho
Cc: Vietti-Cook, Annette
Subject: Congressional Correspondence
Attachments: (b)(5)

The attached letter has been assigned as follows:

(b)(5)

(b)(5)

Billie A. C-Lopes
March 17, 2011

BARBARA BOXER, CALIFORNIA, CHAIRMAN

MAX BAUCUS, MONTANA
THOMAS R. CARPER, DELAWARE
FRANK R. LAUTENBERG, NEW JERSEY
BENJAMIN L. CARDIN, MARYLAND
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SHELDON WHITEHOUSE, RHODE ISLAND
TOM UDALL, NEW MEXICO
JEFF MERKLEY, OREGON
KIRSTEN GILLIBRAND, NEW YORK

JAMES M. INHOFF, OKLAHOMA
DAVID VITTER, LOUISIANA
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JEFF SESSIONS, ALABAMA
MIKE CRAPO, IDAHO
LAMAR ALEXANDER, TENNESSEE
MIKE JOHANNIS, NEBRASKA
JOHN BOOZMAN, ARKANSAS

United States Senate

COMMITTEE ON ENVIRONMENT AND PUBLIC WORKS

WASHINGTON, DC 20510-6175

BETTHA PORIER, MAJORITY STAFF DIRECTOR
RUTH VAN MARK, MINORITY STAFF DIRECTOR

March 17, 2011

The Honorable Gregory Jaczko
Chairman
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Dear Chairman Jaczko:

The loss of life and physical damage that Japan sustained in last week's devastating earthquake and subsequent destructive tsunami is catastrophic and heartbreaking. Our thoughts and prayers, as well as those of the American people, go out to all citizens of Japan and especially to the families of the thousands of disaster victims.

As this tragedy continues to unfold, we encourage the Nuclear Regulatory Commission and other U.S. agencies to continue to coordinate fully with the Japanese government to assess the status of public safety in light of the reactors' failures and to provide all technical assistance required.

The earthquake and tsunami that struck Japan are chilling reminders that we are all vulnerable to unexpected disasters, whether they are an act of nature or a terrorist attack. While we cannot predict with any certainty when or where the next major disaster will occur, we know that adequate preparation and response planning are absolutely vital to minimize injury, death, and destruction when it does happen.

As the Committee with oversight responsibilities on nuclear safety, we believe it is important to assist Japan to ensure that this nuclear disaster is contained as quickly and effectively as possible. For the long term, the multiple simultaneous failures of backup coolant systems at nuclear reactors in Japan are a clear warning that we must step up efforts to ensure that every precaution is taken to safeguard the American people from a similar incident at a U.S. nuclear facility.

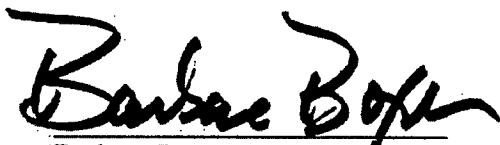
Therefore, we call on the NRC to conduct a comprehensive investigation of all nuclear facilities in the United States to assess their capacity to withstand catastrophic natural or man-made disasters including scenarios that may be considered remote like the recent events in Japan. These domestic nuclear reactors must be fully evaluated to ensure that they are as safe and resilient as possible, that worst case scenarios are examined and addressed, and that personnel training and equipment for emergency responses are in place and up-to-date. Special and immediate attention should be given to those U.S. nuclear reactors that share similar characteristics as the failing reactors in Japan, including similar designs or located near a coastline or seismic fault line.

In addition to updating the EPW Committee on a regular basis, we also request that the NRC supply information to the committee as soon as possible regarding the following issues:


1. Please identify all U.S. nuclear facilities subject to significant seismic activity and/or tsunamis.
2. U.S. nuclear power plants are designed to be safe based on historical data of the area's maximum credible threat (including earthquakes and tsunamis). What extra safety features does the NRC currently require for facilities that have a credible threat of an earthquake and/or tsunami? In light of the recent events in Japan, we would also like the NRC to re-examine the assumptions used to determine the maximum credible threat and suggest additional options that could provide a greater margin for safety at plants nationwide that might be subject to challenges similar to those currently being seen in Japan following the earthquake and tsunami.
3. Which U.S. nuclear power plants share similar design features with the affected Japanese reactor facilities? Do these facilities have design vulnerabilities that should be addressed to ensure their cooling systems do not fail when confronted by stresses including those similar to what we have seen in Japan following the earthquake and tsunami?
4. How comprehensive is the radiation monitoring system in Japan? Would the U.S. take a similar monitoring approach if a serious accident were to occur here? What increased risk is associated with exposure to mixed oxide fuel?
5. Given what has happened at the Japanese facilities, please describe how the NRC currently ensures the safety of spent fuel pools at U.S. facilities and identify additional steps the NRC could take to better address the vulnerabilities of spent fuel pools at plants in the U.S.
6. Has the NRC modeled what could happen if the U.S. had multiple nuclear accidents simultaneously? If so, how would the NRC respond to such a disaster?

Safety is always our number one priority, and therefore it is vital that the NRC immediately evaluate the risks posed to nuclear reactors in the United States. We look forward to working with you to ensure that the nuclear energy industry and NRC regulators are adequately prepared to prevent accidents and to fully address the risks of serious events in the future.

Sincerely yours,



Barbara Boxer
Chairman
Committee on Environment and
Public Works



Tom Carper
Chairman
Subcommittee on Clean Air and
Nuclear Safety

From: Bock, Yoni <ybock@ofda.gov>
Sent: Friday, March 18, 2011 10:09 AM
To: (b)(6)
Cc:

(b)(6)

Subject: Jap EQ/TSU MITAM - March 18, 2011 (2300)
Attachments: PacTSU MITAM - March 18 2011.xls

CAT Chief - For Action

Everyone Else: For Information

Please note that there are five new missions in this MITAM for March 18.

(b)(5)

v/r
Yoni

~~~~~  
Mr. Yonahton Bock  
Military Liaison Officer / Civ-Mil Coordinator Japan Earthquake/Tsunami DART  
Email: [ybock@usaid.gov](mailto:ybock@usaid.gov)  
Blackberry: (b)(6)

DNS at USFJ: 225-4329, 3137, 2469

From US (or non DSN) (011 81) 425 522-511 From Japan (non DSN) 0425 522-511 after dial tone, ext 54329, 52469, 53137

Current Location: Yokota AB, Tokyo, Japan ~~~~~

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

---

**From:** RMTFACTSU\_DMP <RMTFACTSU\_DMP@ofda.gov>  
**Sent:** Friday, March 18, 2011 9:55 AM  
**To:** RMT\_PACTSU; DART\_PACTSU  
**Subject:** FW: Pacific Call Notes, Japan event  
**Attachments:** WHO DPS Health Advisory for the Pacific on radiation from Japan .pdf

Attached is WHO advisory to the Pacific on radiation from Japan – Basic message: don't listen to rumors, and no precautionary measures are recommended or needed for those outside of Japan.

---

**From:** Pavlin, Dr Boris (FSM) [mailto:pavlinb@wpro.who.int]  
**Sent:** Friday, March 18, 2011 1:22 AM  
**To:** Fenner, Jerold (HHS/ASPR/OPEO); 'Ames, Darrell Mr CIV US USA USARPAC'; (b)(6); (b)(6); Iddings, Mr Steven (SP); 'Gaynor, Mary Kathleen M.D. (Kate)'; 'Arthy G. Nena'; O'Mallan, Josie (CDC dphss.guam.gov); 'Peter Judicpa'; 'William Kando'; 'michael poblete'; 'siitia@doh.as'; 'Ben Sili'; 'Jacqueline Solaita'; 'Melinda Lawrence'; (b)(6); 'Joanes Sarofalpiy'; 'Lisa Barrow'; Bryce, Michael; 'Toby L. Clairmont'; Gallo, Bill (CDC/OSTLTS/DPHCD); 'Owolabi, Mojisola'; 'Arcibal, Laura K.'; Rayle, Vicky (CDC/OSTLTS/DPHCD); Walmsley, John (HHS/OASH); 'Cathy Wasem'; Michael, Gretchen (HHS/ASPR/COO); 'Joseph Kevin Villagomez'; Yano, Victor (CDC palau-health.net); Seiuli Elisapeta Ponsusua, American Samoa DPCP (CDC gmail.com); 'michael.epp@pihoa.org'; 'Gaynor, Mary Kathleen M.D. (Kate)'; Langidrik, Justina <Marshall Is> (CDC ntamar.net); McMichael, Janice R. (CDC/OPHPR/DSLRL); O'Mallan, Josie (CDC dphss.guam.gov); 'masatomo.nadeau@dphss.guam.gov'; 'leo.casil@dphss.guam.gov'; 'arthur.sanagustin@dphss.guam.gov'; Rayle, Vicky (CDC/OSTLTS/DPHCD); Talbert, Todd (CDC/OPHPR/DSLRL); FEMA: Shigetani, Marilyn; 'Voirin, Anthony J LTCOL MIL USAF'; Kevin Clark (external contact); 'Michael Epp'; Walmsley, John (HHS/OASH); 'Park, Sarah Y., MD'; Miller, Ward(DCHA/OFDA); HHS: Sheehan, Kevin; Bryce, Michael  
**Subject:** RE: Pacific Call Notes, Japan event

All – sorry for cross-posting

Thanks.  
-boris

Boris Pavlin MD MPH  
Country Liaison Officer for Northern Micronesia

Shipping Address:  
PO Box PS70  
Department of Health and Social Affairs,  
Palikir, Pohnpei, FM 96941  
Federated States of Micronesia  
World Health Organization, Western Pacific Regional Office  
[pavlinb@wpro.who.int](mailto:pavlinb@wpro.who.int)

+691-320-2619 (w)

(b)(6) (c)  
(h)  
+1-866-868-3948 (f)



---

**From:** Fenner, Jerold (HHS/ASPR/OPEO) [mailto:Jerold.Fenner@hhs.gov]

**Sent:** Friday, March 18, 2011 10:50 AM

**To:** 'Ames, Darrell Mr CIV US USA USARPAC' (b)(6);

(b)(6); Pavlin, Dr Boris (FSM); Iddings, Mr Steven (SP); 'Gaynor, Mary Kathleen M.D. (Kate)'; 'Arthy G. Nena'; O'Mallan, Josie (CDC dphss.guam.gov); 'Peter Judicpa'; 'William Kando'; 'michael poblete'; 'siitia@doh.as'; 'Ben Sili'; 'Jacqueline Solaita'; 'Melinda Lawrence - Palau' (b)(6); (b)(6); 'Joanes Sarofalpiy'; 'Lisa Barrow'; Bryce, Michael (HHS/ASPR/OPEO); 'Toby L. Clairmont'; Gallo, Bill (CDC/OSTLTS/DPHCD); 'Owolabi, Mojisola'; 'Arcibal, Laura K.'; Rayle, Vicky (CDC/OSTLTS/DPHCD); Walmsley, John (HHS/OASH); 'Cathy Wasem'; Michael, Gretchen (HHS/ASPR/COO); 'Joseph Kevin Villagomez'; Pavlin, Dr Boris (FSM); Yano, Victor (CDC palau-health.net); Seiuli Elisapeta Ponsusua, American Samoa DPCP (CDC gmail.com); 'michael.epp@pihoa.org'; 'Gaynor, Mary Kathleen M.D. (Kate)'; Langidrik, Justina <Marshall Is> (CDC ntamar.net); McMichael, Janice R. (CDC/OPHPR/DSLRL); O'Mallan, Josie (CDC dphss.guam.gov); 'masatomo.nadeau@dphss.guam.gov'; 'leo.casil@dphss.guam.gov'; 'arthur.sanagustin@dphss.guam.gov'; Rayle, Vicky (CDC/OSTLTS/DPHCD); Talbert, Todd (CDC/OPHPR/DSLRL); 'marilyn.shigetani@dhs.gov'; 'Voirin, Anthony J LTCOL MIL USAF'; 'kevin.clark@dhs.gov'; 'Michael Epp'; Walmsley, John (HHS/OASH); 'Park, Sarah Y., MD'; 'wmiller@USAID.GOV'; Sheehan, Kevin (HHS/ASPR/OPEO); Bryce, Michael (HHS/ASPR/OPEO)

**Subject:** Pacific Call Notes, Japan event

Notes by **CAPT John Walmsley (Many Thanks)**

---

## **JAPAN RADIOLOGICAL CALL W/PACIFIC**

**16 MAR 2011**

**JERRY FENNER – CALL LEADER**

### **EPA – Dan Meer**

Fixed radiation monitors in all 50 states + PR = RadNet monitors for gamma exposure radiation sample for particulates for lab analysis

Extended reach by deploying mobile monitors to Guam, HI and Aleutians + CNMI = help assess plume impact + confirm modeling predictions by DOE

Deployables also have charcoal filter that allow for smaller radioactive Iodine == running by end of week

Fixed monitors showing no levels above background

No threat to US territories – no expected harmful effects to any US territory

### **NRC – Region IV NRC + Richard Tartil (NRC HQ)**

Communications w/Japanese regulator + Int'l Atomic Agency + coordinate with state and fed partners

NRC staff offered assist to Japan regulators – they've asked for NRC expertise – 11 NRC staff in Tokyo

Message: no harmful levels expected to reach anywhere in US

Today: recommend to American citizens in Japan with in 50 miles of reactor site evacuate beyond 50 miles

[www.nrc.gov](http://www.nrc.gov)

### **FDA – Mark Roh**

Talking points to be distributed

Alaska asked by EU what they're doing for testing on radiation in seafood products – want baseline radiation for AK seafood

Would EPA have this baseline to show background radiation along AK coast?

MEER: have 2-3 RADNET stations on AK coast on southern coast

**USDA – Todd Smith @ FEMA RIX**

Food commodities ???

**FEMA – PAO**

Support to local agencies and monitoring

**PACOM – (no one)**

**JTF-HD**

Monitor and support

**CDC – Vicky Rayle**

[Thanks for including Pac]

**HAWAII DOH – Kate Gaynor**

USDA said food commodity resources are available (USDA can feed people)

Two press releases – no radiation heading towards HI

Answering questions on KI – press release – no need for KI – dangerous if not needed

FAQ going out this afternoon – will send out

Media interviews – TV cameras on radiation monitors

What to tell returning travelers? Had some hysteria – should they decontaminate? Shower? See doctors?

Food issues? Assure that local fishing industry is safe

Waiting for Fed guidance

(Fenner) CDC, TSA and Customs and Border patrol working on travel guidance

**American Samoa – Elizabeth P. + Ben: sitting in for Tia Dir of Health on line**

Following CDC guidelines sent by Kate in HI

Should AS involve Homeland Security at this time?

[Kate is working with local DoD in HI to present same message]

[Fenner – we want to have unified message]

**RMI – (no one)**

**CNMI – Joe Villagomez + Governor's TF**

Issuing PR on health issues

Folks also have access to mis-information – trying to address those issues

Some families not allowing children out for activities

Concern about using KI when not needed – folks can get KI (Potassium Iodide) on their own

Level of concern in communities is very high

This is a new concern that CNMI is not prepared for – need assistance with protective gear, etc.

**Marvin Simmon: Head of Homeland Security**

Concerns with tourists/food/water

Worried about radiation monitors going to Guam – relieved to have monitors in CNMI

CNMI is closest US territory – relying on outside sources for info/monitoring

With not monitoring – depending on data from off island – monitoring helps to reassure

**DAN MEER:** Deployable RADNET monitors = very conservative and cautious step – doesn't imply that EPA anticipates a problem

All Fed agencies emphatic that no danger to US territories exists at present

**GUAM – Josie Omallan + Pete Judicpa + Homeland Security + JIC**

Info coming out of Homeland Security

Sharing Hawaii's info with Guam

Decision to partially activate JIC at HS

Anderson AFB has been monitoring

Glad to have mobile monitor

Looking forward to guidance from TSA and CDC on travel

Surveyed pharmacies on KI due to community concern

Message is consistent with CDC messaging – to ensure accurate and consistent

Pete Judicpa: Challenge = rise in inquiries from legislators + threat of potential radiation fallout

Small window for weather patterns to change (from local media outlet)

Local media offering contrasting viewpoints

RADNET monitors help address those concerns

Concern = counterpoints from local/national/int'l sources

Tom Nadeau: notable amount of Japanese food imports (4%) and inquiries from public and customs

FDA working with border and customs – is Guam customs coordinate with CBT?

Any guidance on daily food imports?

Mark Roh: Discussion w/Import Ops Branch at HQ – most of industry surrounding nuclear plants shut down voluntarily or by damage

Developing appropriate sampling techniques for seafood and other foods from Japan and CA

Can assist Guam with that

Doesn't know if there's a rad detection device for screening products on Guam – will talk offline with Guam

No concern on any food coming in to Guam by boat – anything coming in by air should come from an area of no concern in Japan

**FSM – (no one)**

**PALAU – Stevenson Kuartei + 12**

Hospital drill – emptied in one hour

Surge of tourists coming from Japan – no way to determine if they are contaminated or not

WHO and NZ have provided info on potential radiation threat = very minimum

Not much query from community – no needed to do much info sharing

Would like advice from Guam/CNMI/Hawaii on monitoring to respond appropriately

**WHO – Steven Iddings – Env. Officer and Emerg. Focus Point + Dr. Boris Pavlin**

In close communications with WPRO in Manila – have received FAQ

Need to give info on KI offices and public in general

Circulated info internally

“Little or no threat to PICs due to distance from Japan”

Preparing statement with FAQs as attachment for PICs

AS (Elizabeth) asked for dissemination of these documents

Yes – will receive from Boris Pavlin

He would like to check his message against these conversations

This is the first conversation with other Pacific partners

Preparing fact sheet for food safety to guide countries who may be poised to limit imports from Japan (especially the 18 PIs/territories)

**SPC – Bill Parr + Janet O'Connor**

Struggling with conflicting media reports around region

Issue FAQs similar to WHO – but waiting to receive talking points and base talking points on that  
Hosting a Ministers of Energy and Transport and Infrastructure meeting in Fiji = look at impacts  
Preparing staff to answer questions

**PIHOA – Michael Epp**

Thanks for setting this up

Appreciates HHS special effort to include the Pacific

**CDC – Vicky Rayle**

Travelers at points of entry: no imminent special procedures or guidelines for travelers from Japan

Airport CBP/DHS inspectors wear radiation monitors

**Guam**

Do a survey on date for next meeting

Jerry: Question to NRC: do we know how long this event will persist in Japan?

NRC No idea

---

~~This message was scanned for viruses with Trend Micro ScanMail, GFI MailSecurity and GFI MailEssentials by the World Health Organization Regional Office for the Western Pacific. However, the recipient is advised to scan this e-mail and any attached files for viruses.~~

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## Health Advisory for Pacific island countries and territories concerning radiation from Japanese nuclear facilities

Following the 9.0 earthquake and tsunami in Japan on 11 March, the World Health Organization (WHO) has worked closely with the government of Japan, the International Atomic Energy Agency (IAEA), the World Meteorological Organization (WMO) and other authorities.

At this time it seems unlikely that significant amounts of radiation will affect areas outside of Japan. Rumours are circulating about radiation drifting to other countries. Based on available information, this does not appear to be the case. Exposure to radioactive material released from the affected facilities will be largely limited to the evacuation zone within Japan.

There is therefore currently very little risk for Pacific island countries and territories due to the considerable distances involved, even for the Pacific countries and territories nearest to Japan.

As such, WHO does not currently recommend any measures for persons outside of Japan (including the Pacific island countries and territories) where residents should continue with their normal activities.

Potassium iodide tablets are only recommended for people with very high exposure to radiation and should not be taken unless prescribed by a doctor. There are already reports from some national poison centers about overdoses and toxicity occurring in frightened people who are self medicating.

The recommendation to stay indoors applies only to those people living within 20 to 30 km of the affected facility in Japan. No one outside of Japan including in the Pacific need take any precautions like avoiding rainfall or outdoor activities.

WHO is closely monitoring the evolving situation in Japan and working with the government of Japan to continually assess the situation.

Unfortunately, rumours have been circulating by email and text messaging. These messages are usually very obvious in their tone and appearance. Members of the public are encouraged to tell anyone who circulates such statements that such distributions are not appreciated.

For more information on health implications as the situation evolves, see these WHO websites:

[www.wpro.who.int/sites/eha](http://www.wpro.who.int/sites/eha) and <http://www.who.int/en/>

For FAQs go to: [http://www.wpro.who.int/sites/eha/disasters/2011/jpn\\_earthquake/list.htm](http://www.wpro.who.int/sites/eha/disasters/2011/jpn_earthquake/list.htm)

**Dr Dongil Ahn**  
WHO Representative for the South Pacific  
Director, Pacific Technical Support  
WHO South Pacific Office  
Suva, FIJI  
[AhnD@wpro.who.int](mailto:AhnD@wpro.who.int)

**Mr Steven Iddings**  
Environmental Engineer/Emergency Focal Point  
WHO South Pacific Office  
Suva, FIJI  
+679 323 4102  
[iddingss@wpro.who.int](mailto:iddingss@wpro.who.int)

Media inquiries to: Mr Peter Cordingley, WHO Information Officer, Manila; Mob +63 917 8443688

---

**From:** Kozal, Jason  
**Sent:** Friday, March 18, 2011 9:31 AM  
**To:** Sloan, Scott; RST01 Hoc; Dudes, Laura; Monninger, John; Kolb, Timothy  
**Subject:** Re: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Working this as pri one.

Sent from an NRC BlackBerry  
Jason W Kozal

(b)(6)

----- Original Message -----

**From:** Sloan, Scott  
**To:** RST01 Hoc; Dudes, Laura; Monninger, John; Kolb, Timothy; Kozal, Jason  
**Sent:** Fri Mar 18 09:27:29 2011  
**Subject:** FW: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Please forward however you see fit to inform appropriate personnel. I don't know that this is a big deal....yet.

---

**From:** Merchant, Ned [cemercha@bechtel.com]  
**Sent:** Friday, March 18, 2011 9:04 AM  
**To:** Sloan, Scott  
**Subject:** FW: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

FYI

Best Regards, Ned

"Quality is not an act, it is a habit"

**From:** Jack (Junichi) Soma [mailto:junichi.soma.pv@hitachi.com]  
**Sent:** Friday, March 18, 2011 7:10 AM

To: Rau, Carl

Cc: Fiorente, Alan; (ナカネ) Nakane Masahiko; (ウテ) Utena Shunsuke; (ヨシダ) Yoshida Taiji; (吉村) Yoshimura Masahito; Merchant, Ned

Subject: Re: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Carl,

I appreciate Bechtel's support to Japan. However, as you expressed in your E-mail, Hitachi can not handle this without any authorization by J-Gov. Thus please let us make sure that J-Gov and the US-gov agree to receive them before you send them. This is a very important since all the activities at Fukushima are under the control by J-gov and the Japanese law.

Regards,

Jack Soma

Jack Soma  
Hitachi-GE Nuclear Energy, Ltd

<Mobile Phone>

(b)(6)

<E-mail>

junichi.soma.pv@hitachi.com

---

From: cemercha@bechtel.com

Date: Fri, 18 Mar 2011 07:42:12 -0400

To: <HylandJP@state.gov>; <YoungJM@state.gov>; <timothy.kolb@nrc.gov>; <RST01.Hoc@nrc.gov>

Cc: <yangjf@state.gov>; <Tim.Gellel@dfat.gov.au>; <mary.mckeown@dfat.gov.au>; <john.monninger@nrc.gov>; <LukeRS@state.gov>; <ZumwaltJP@state.gov>; (b)(6); <StocktonRC@state.gov>; <MarutCJ@state.gov>; <FritzJD@state.gov>; <WoodwardA@state.gov>; <cwrau@Bechtel.com>; <breilly@bechtel.com>; <junichi.soma.pv@hitachi.com>; <jvhart@bechtel.com>

Subject: RE: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Jason,

I did receive a call from Andrew Nikolic and received his voice mail. Please call him and tell him I will call him in about an hour to confirm all the details with him. Right now, the plan is to stage all the material in Perth and I assume Andrew will give me the locale he would prefer.

Keeping this short so I can get into the office

Best Regards, Ned

"Quality is not an act, it is a habit"

From: Hyland, Jason P [mailto:HylandJP@state.gov]  
Sent: Friday, March 18, 2011 6:28 AM  
To: Young, Joseph M; Merchant, Ned; timothy.kolb@nrc.gov; RST01.Hoc@nrc.gov  
Cc: Yang, Forest; Tim.Gellel@dfat.gov.au; mary.mckeown@dfat.gov.au; john.monninger@nrc.gov; Luke, Robert S; Zumwalt, James P; (b)(6); Stockton, Richard C; Hyland, Jason P; Marut, Christopher J; Fritz, Jonathan D; Woodward, Aleisha  
Subject: Re: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

All, I spoke to Andrew Nikolic in Australian DOD Policy who confirmed at highest levels in ADF that they are committed to plan to transport Bechtel equipment as soon as possible but DO NOT yet have necessary POC at Bechtel, detailed information about equipment beyond the attachment sent earlier, or any information on where equipment is and how it will be delivered. He said likely air base in Perth will be PEARCE. Joe, Can you get us some in-country POCs for Bechtel and help Australia close the loop. Again, Australia is ready, willing and able to help. Regards, Jason

---

From: Young, Joseph M  
To: 'Merchant, Ned' <cemercha@bechtel.com>; timothy.kolb@nrc.gov <timothy.kolb@nrc.gov>; RST01 Hoc <RST01.Hoc@nrc.gov>  
Cc: Yang, Forest; Hyland, Jason P; 'Tim.Gellel@dfat.gov.au' <Tim.Gellel@dfat.gov.au>; 'mary.mckeown@dfat.gov.au' <mary.mckeown@dfat.gov.au>; 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; Luke, Robert S; Zumwalt, James P; 'Huntington, Miki T LTC USA USFJ J54' (b)(6)  
Sent: Fri Mar 18 21:42:38 2011  
Subject: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

I think I've been in touch with just about everyone on the cc line in the past two hours about the possibility of Australian Government assistance in transporting equipment from Perth to Japan that could be used for a water pumping system that Nuclear Regulatory Commission experts and Bechtel believe could address cooling difficulties at the Fukushima Dai-ichi nuclear plant. I was going to suggest the following steps:



1. Ned Merchant of Bechtel could hit reply all and explain efforts underway to gather the necessary equipment in Perth and prepare it for transport. Ned, we will need to know how soon this equipment can be put in one place and be ready for pick-up. We'd also have to know the exact location of the equipment when ready.
2. Also, Ned, if there is any other technical information that folks should know that would affect transport, please include that in your e-mail
3. Forest Yang (of the U.S. Embassy in Australia) could be in touch with the Australian Defense Force on transport possibilities/challenges.
4. Tim Gellel (the Defense Attache at the Australian Embassy in Tokyo) and his colleagues could also reach out to the Australian Defense Force on transport requirements.
5. John Monninger and Tim Kolb (with the Nuclear Regulatory Commission team here in Tokyo) could stand by to provide guidance on the use of the equipment and the status of the Fukushima plant as necessary.
6. Miki Huntington and her USFJ J5 colleagues could look into the need for the Australian military/government aircraft (assuming this is the mode of transport) to land at Yokota Air Base in Japan.
7. If we are successful in bringing the equipment to Yokota, we'd have to work out a way to deploy it to the site, working together with the Japanese. But, we can figure that out after the equipment arrives.

Fingers crossed on making this happen, and thanks in advance for everyone's assistance.

Joe Young

Political-Military Unit Chief

U.S. Embassy, Tokyo

81-3-3224-5338

From: Merchant, Ned [mailto:[cemercha@bechtel.com](mailto:cemercha@bechtel.com)]  
Sent: Thursday, March 17, 2011 9:56 PM  
To: Young, Joseph M; [timothy.kolb@nrc.gov](mailto:timothy.kolb@nrc.gov); RST01 Hoc  
Subject: FW: Bill of Material

Joe,

Here is what we are chasing. We are looking at 4 trains.

Best Regards, Ned

"Quality is not an act, it is a habit"

From: Thomas, Eugene  
Sent: Thursday, March 17, 2011 2:10 AM  
To: Merchant, Ned  
Subject: Bill of Material

Attached is a Bill of material and a rough sketch showing the "system". I've also clarified the write-up below. I plan to go home but can be reached by cell phone, as needed (b)(6)

Gene

The requisitions you sent identify the following:

- ? 2 -6 inch submersible pumps systems S018000 (presumably for 2 separate trains)
- ? 2 jetting pumps PU0230 (presumably for 2 separate trains)

The additional information set are other items are ancillary to these pumps. To satisfy the need for four trains, 2 additional 6 inch submersible pumps and 2 jetting pumps PU0230 will be needed

In addition the following items will be needed for each train:

- ? Spray pump - such as PU 0230
- ? Water cannon (we have not found one in our internet search that will guarantee delivery of 50 m high, 100 m horizontal) Here is what we found: <http://www.stangindustries.com/site/docs/td/TD-3.pdf>
- ? Eductor fitting for 2 inch pipe (150 psi service)
- ? Boron tank and 1" diameter flexible feed hose (suggest mounted on a wheel trailer suggest minimum 500 gal)

- ? 700 m 2 high pressure fire hose (rated for 150 psi service )
- ? 6 inch Camlock (or similar) fittings bolted to PU 0230 intake (rated at 150 psi service)
- ? 2 inch Camlock fittings to PU 0230 discharge, to eductor at each end and to the Spray pump and to each to hose-to-hose connection
- ? 4 rubber tired trailer mounted fuel tanks (min 275 gal capacity) including fuel lines with shut-off valves capable of connecting to each diesel engine (One tank and a spare to support both the submersible and jetting pump and one tank and a spare to support the spray pump)
- ? 2 flat bed trailers 40 ft length

Note: the 6 inch submersible pump and the jetting pump, with ancillary equipment could be mounted on a single flat bed trailer. Likewise the spray pump and water cannon could be mounted on a separate flat bed trailer. Fuel trailers could be swapped out daily. The PU0230 pumps diesel engines are supplied by a 5 gal jerry can which requires hourly refueling, whereas the 6 inch submersible pump has a 120 gal stationary tank. To minimize refueling we suggest two fuel lines from the diesel with shutoff valves so that the fuel tanks trailers can be interchanged

Gene

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**From:** Sloan, Scott  
**Sent:** Friday, March 18, 2011 9:27 AM  
**To:** RST01 Hoc; Dudes, Laura; Monninger, John; Kolb, Timothy; Kozal, Jason  
**Subject:** FW: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Please forward however you see fit to inform appropriate personnel. I don't know that this is a big deal....yet.

---

**From:** Merchant, Ned [cemercha@bechtel.com]  
**Sent:** Friday, March 18, 2011 9:04 AM  
**To:** Sloan, Scott  
**Subject:** FW: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

FYI

Best Regards, Ned  
*"Quality is not an act, it is a habit"*

---

**From:** Jack (Junichi) Soma [mailto:junichi.soma.pv@hitachi.com]  
**Sent:** Friday, March 18, 2011 7:10 AM  
**To:** Rau, Carl  
**Cc:** Fiorente, Alan; (ナカネ) Nakane Masahiko; (ウテ) Utena Shunsuke; (ヨシダ) Yoshida Taiji; (吉村) Yoshimura Masahito; Merchant, Ned  
**Subject:** Re: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Carl,

I appreciate Bechtel's support to Japan. However, as you expressed in your E-mail, Hitachi can not handle this without any authorization by J-Gov. Thus please let us make sure that J-Gov and the US-gov agree to receive them before you send them. This is a very important since all the activities at Fukushima are under the control by J-gov and the Japanese law.

Regards,

Jack Soma

Jack Soma  
Hitachi-GE Nuclear Energy, Ltd

<Mobile Phone>

(b)(6)

<E-mail>

junichi.soma.pv@hitachi.com

---

**From:** cemercha@bechtel.com

**Date:** Fri, 18 Mar 2011 07:42:12 -0400

**To:** <HylandJP@state.gov>; <YoungJM@state.gov>; <timothy.kolb@nrc.gov>; <RST01.Hoc@nrc.gov>

**Cc:** <yangjf@state.gov>; <Tim.Gellel@dfat.gov.au>; <mary.mckeown@dfat.gov.au>; <john.monninger@nrc.gov>; <LukeRS@state.gov>; <ZumwaltJP@state.gov>; (b)(6)

<StocktonRC@state.gov>; <MarutCJ@state.gov>; <FritzJD@state.gov>; <WoodwardA@state.gov>; <cwrau@Bechtel.com>; <breilly@bechtel.com>; <junichi.soma.pv@hitachi.com>; <jvhart@bechtel.com>

**Subject:** RE: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Jason,

I did receive a call from Andrew Nikolic and received his voice mail. Please call him and tell him I will call him in about an hour to confirm all the details with him. Right now, the plan is to stage all the material in Perth and I assume Andrew will give me the locale he would prefer. Keeping this short so I can get into the office

Best Regards, Ned

***"Quality is not an act, it is a habit"***

---

**From:** Hyland, Jason P [mailto:HylandJP@state.gov]

**Sent:** Friday, March 18, 2011 6:28 AM

**To:** Young, Joseph M; Merchant, Ned; timothy.kolb@nrc.gov; RST01.Hoc@nrc.gov

**Cc:** Yang, Forest; Tim.Gellel@dfat.gov.au; mary.mckeown@dfat.gov.au; john.monninger@nrc.gov; Luke, Robert S; Zumwalt, James P; (b)(6); Stockton, Richard C; Hyland, Jason P; Marut, Christopher J; Fritz, Jonathan D; Woodward, Aleisha

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(b)(5)

Fingers crossed on making this happen, and thanks in advance for everyone's assistance.

Joe Young  
Political-Military Unit Chief  
U.S. Embassy, Tokyo  
81-3-3224-5338

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**Sent:** Thursday, March 17, 2011 9:56 PM  
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**Subject:** FW: Bill of Material

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**Sent:** Thursday, March 17, 2011 2:10 AM  
**To:** Merchant, Ned  
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- ✍ 2 -6 inch submersible pumps systems S018000 (presumably for 2 separate trains)
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Gene

---

**From:** RMTPACTSU\_INC <RMTPACTSU\_INC@ofda.gov>  
**Sent:** Friday, March 18, 2011 9:08 AM  
**Subject:** DART Call Notes - March 18, 2011, 0700 hours EDT

**~~INTERNAL DART AND RMT USE ONLY. PLEASE DO NOT DISTRIBUTE.~~**

**Pacific Tsunami and Japan Earthquake DART-RMT Call Notes  
March 18, 2011; 0700 hours EDT, 2000 hours JST**

(b)(5)



(b)(5)

**Diedra Spencer and Helen Ho**

*Information Coordinators*

Pacific Tsunami and Japan Earthquake Response Management Team

RMTPACTSU\_INC@ofda.gov

202-712-0039

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**From:** RMTFACTSU\_PRO <RMTFACTSU\_PRO@ofda.gov>  
**Sent:** Friday, March 18, 2011 8:40 AM  
**To:** RMT\_PACTSU; DART\_PACTSU  
**Subject:** UPDATED: TPs on Japan HA  
**Attachments:** 110318 0830 EDT Japan EQ Press Guidance.doc

Updated to reflect latest numbers.

NOTE: We still have not received clearance on the official statement (b)(5) As soon as we do, will send your way.

RG

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The Government of Japan (GoJ) National Police Agency reported 6,548 deaths, 10,354 persons missing, and 2,516 people injured due to the earthquake and tsunami as of 0400 hours EDT on March 18. In addition, the natural disasters damaged or destroyed more than 89,000 buildings and 1,200 roads.

Japan's Nuclear and Industrial Safety Agency raised the rating of the nuclear incident at Fukushima Daiichi nuclear power plant from four to five on the seven-level International Nuclear Event Scale—a level equivalent to the 1979 Three Mile Island incident in the US. GoJ and U.S. Government (USG) nuclear specialists continue work to limit the damaging effects of the situation.

#### USG ASSISTANCE

The U.S. Agency for International Development is working with agencies across the U.S. Government—including the Departments of State, Defense, and Energy and the Nuclear Regulatory Commission—to assure that we are able to provide necessary assistance to the Government of Japan in the aftermath of the devastating earthquake and tsunami.

The USAID Disaster Assistance Response Team (DART) is in Japan and working to manage the overall U.S. Government response effort in Japan in coordination with the U.S. Embassy in Tokyo.

Nuclear specialists on the DART—including 11 NRC officers, 1 DoE officer, and 1 U.S. Department of Health and Human Services (HHS) officer—are monitoring technical aspects of the nuclear issues at the Fukushima Daiichi nuclear power plant, engaging with GoJ officials on the status of the health impacts of radiation, and providing guidance to the U.S. Embassy in Tokyo on efforts to cool reactors.

At present, the DART comprises 167 people, including 144 U.S. urban search and rescue (USAR) personnel.

In coordination with the U.K., China and the National Japanese USAR teams, the U.S. USAR teams searched the central portion of the city Ofunato on Tuesday and Kamaishi City on Wednesday and Thursday.

To date, the two U.S. USAR teams have completed all searches requested by the Osaka Fire Department, coordinator of USAR efforts in Ofunato and Kamaishi cities, with no live rescues.

DART staff continue to engage at three levels to determine any possible humanitarian needs in Japan—nationally through Japan’s Ministry of Foreign Affairs (MoFA) and other GoJ contacts, locally at the prefecture level and in coordination with U.S. Forces-Japan, and through Japanese civil society organizations, including Japan Platform (JP) and the Japan Non-governmental organization (NGO) Center for International Cooperation (JANIC).

The DART is working to vet requests for assistance from local prefectures and convey them to USFJ for coordination with JSDF for transportation and onward distribution. The DART notes that sufficient relief commodities are available in-country and the GoJ has not requested in-kind contributions.

To date, the U.S. Military has conducted 132 helicopter and 641 aircraft missions to assist in survivor recovery, personnel transport, and relief commodities distribution. DoD continues to support search and rescue operations at sea through the use of aerial and surface assets. In addition, DoD has established a chemical, biological, radiological, and nuclear control center with limited decontamination assets at Yokota Air Force Base.

For individuals and businesses who wish to help those in Japan, we encourage making a cash donation to a reputable organization working in the affected area. Nothing will get there faster or help more at this time. Visit [www.usaid.gov](http://www.usaid.gov) for more info or email [japanhelp@ofda.gov](mailto:japanhelp@ofda.gov).

## **USG Press Guidance**

### **Humanitarian Response to Japan Quake**

Updated 3/18/2011 @ 0830 EDT

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---

**From:** Rivera, Marco <mriviera@ofda.gov>  
**Sent:** Friday, March 18, 2011 8:32 AM  
**To:** RMTPACTSU\_DMO  
**Cc:** DART\_PACTSU  
**Subject:** RE: DART comms plan and e-mail group  
**Attachments:** japan commplan.doc

Comms Plan as requested.

---

**From:** RMTPACTSU\_DMO  
**Sent:** Friday, March 18, 2011 7:09 AM  
**To:** Rivera, Marco  
**Cc:** Sink, Amy (BFS) [USAID]; Brown, Courtney  
**Subject:** DART comms plan and e-mail group

Hi Marco,

Please send us a copy of the DART comms plan once it is available. I want to make sure it incorporates our NRC colleagues as well as our DOE liaison.

I also want to clarify that we will look to you to manage the [DART\\_PACTSU@ofda.gov](mailto:DART_PACTSU@ofda.gov) e-mail address in cooperation with OFDA Support. I had set up the initial group since a Comms Officer was not deployed with the first wave of the DART. I had already added Bill Laspina to the group because we had some lead time. I think we are up to date with the exception of the NRC folks.

It would also be good if you could double check with the first 2 NRC liaisons and the DOE liaison that they are receiving e-mails from us without problem. It isn't clear to me if they are using the ofda.gov accounts that we set up for them or not. Same goes for John Beed and Rie Yamika – we had only added their ofda.gov accounts to the e-mail group, not their state.gov account.

Again, we will look to you to make sure that everyone is linked in via the e-mail group.

Thanks!

Chris Leonardo  
Deputy Manager for Operations  
Pacific Tsunami Response Management Team  
[RMTPACTSU\\_DMO@ofda.gov](mailto:RMTPACTSU_DMO@ofda.gov)  
202-712-0039

**Tokyo, Japan  
Communications Plan  
March, 17<sup>th</sup> 2011**

(b)(5)

(b)(5)



(b)(5)

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**From:** Hughart, Joe <jhughart@ofda.gov>  
**Sent:** Friday, March 18, 2011 8:05 AM  
**To:** CherryRC@state.gov; JapanEmbassyTaskForce@state.gov; DARTDOELiaison1; Aleshia.Duncan@nuclear.energy.gov; Cook, William; Smith, Brooke; Casto, Chuck; Damian.Peko@nuclear.energy.gov; DuncanAD@state.gov; HowardEB@state.gov; Foster, Jack; Trapp, James; (b)(6); Hughart, Joseph (FOH); Monninger, John; johnstonegm@state.gov; Foggie, Kirk; MearsJM@state.gov; MoralesRA@state.gov; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony  
**Subject:** Re: GOJ request for protective clothing, other supplies

I'm sending 10,000 sets of protective clothing.

Joe Hughart

----- Original Message -----

From: Cherry, Ronald C <CherryRC@state.gov>  
To: JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>; DARTDOELiaison1; Aleshia Duncan <Aleshia.Duncan@nuclear.energy.gov>; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko <Damian.Peko@nuclear.energy.gov>; Duncan, Aleshia D <DuncanAD@state.gov>; Howard, E. Bruce <HowardEB@state.gov>; Foster, Jack; Trapp, James; James Trapp (BB) (b)(6); Hughart, Joseph (FOH); Hughart, Joe; Monninger, John; Johnstone, Gregg M <johnstonegm@state.gov>; Foggie, Kirk; Mears, Jeremy M <MearsJM@state.gov>; Morales, Russell A <MoralesRA@state.gov>; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony  
Sent: Fri Mar 18 07:57:46 2011  
Subject: FW: GOJ request for protective clothing, other supplies

Forwarding. The below list was provided yesterday to State in Washington.

This email is UNCLASSIFIED

-----Original Message-----

From: YAMADA KAZUMI [mailto:kazumi.yamada@mofa.go.jp]  
Sent: Friday, March 18, 2011 7:26 PM  
To: Dudley, Katherine F; Cherry, Ronald C  
Cc: YAMAJI HIDEKI  
Subject: GOJ request

Dear Mr. Cherry, Ms. Dudley,

Yesterday, Mr. Toshihide Ando, Counsellor at our Embassy in Washington met with Mr. Deming, Director of the Office of Japan Affairs, and made a request asking whether your Government can provide us with the following materials. I am sending the list to you as well, as was requested from Mr. Deming to Mr. Ando. If your Government can kindly provide any of the following, we would like to know which material can be provided in what amount and by when (approximate time of arrival at Narita.) For materials 1 ~4, the amount provisionally needed is 12,000. We would also like to know the specs of the materials provided. We would appreciate your considering sending the materials in separate loads, starting with whichever material becomes available.

1. Nuclear power related materials

- Masks installed with iodine absorbent cans
- protective suits (in Katakana, it's タイベックスーツ)
- rubber gloves
- rubber boots

2. Other consumables

- surgical masks
- cotton gloves
- rubber gloves
- shoes covers

We sincerely appreciate your assistance.

Best regards,

Kazumi Yamada

---

**From:** Betz, Travis <Tbetz@ofda.gov>  
**Sent:** Friday, March 18, 2011 7:57 AM  
**To:** DART\_PACTSU  
**Cc:** RMTFACTSU\_LC; OFDALogistics [USAID]  
**Subject:** The USAR is on Misawa

All are on base and checked into the barracks.

Logs working the cargo.

Pax 2300 departure tomorrow by charter

Cargo: specifics TBD, looks like weds departure. Will let you know when we have contract

---

**From:** Merchant, Ned <cemercha@bechtel.com>  
**Sent:** Friday, March 18, 2011 7:42 AM  
**To:** Hyland, Jason P; Young, Joseph M; Kolb, Timothy; RST01 Hoc  
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Stockton, Richard C; Marut, Christopher J; Fritz, Jonathan D; Woodward, Aleisha; Rau, Carl; Reilly, Brian (Power); Jack Soma; Hart, James V  
**Subject:** RE: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

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**Cc:** Yang, Forest; Tim.Gellel@dfat.gov.au; mary.mckeown@dfat.gov.au; john.monninger@nrc.gov; Luke, Robert S; Zumwalt, James P; (b)(6) Stockton, Richard C; Hyland, Jason P; Marut, Christopher J; Fritz, Jonathan D; Woodward, Aleisha  
**Subject:** Re: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

All, I spoke to Andrew Nikolic in Australian DOD Policy who confirmed at highest levels in ADF that they are committed to plan to transport Bechtel equipment as soon as possible but DO NOT yet have necessary POC at Bechtel, detailed information about equipment beyond the attachment sent earlier, or any information on where equipment is and how it will be delivered. He said likely air base in Perth will be PEARCE. Joe, Can you get us some in-country POCs for Bechtel and help Australia close the loop. Again, Australia is ready, willing and able to help. Regards, Jason

---

**From:** Young, Joseph M  
**To:** 'Merchant, Ned' <cemercha@bechtel.com>; timothy.kolb@nrc.gov <timothy.kolb@nrc.gov>; RST01 Hoc <RST01.Hoc@nrc.gov>  
**Cc:** Yang, Forest; Hyland, Jason P; 'Tim.Gellel@dfat.gov.au' <Tim.Gellel@dfat.gov.au>; 'mary.mckeown@dfat.gov.au' <mary.mckeown@dfat.gov.au>; 'john.monninger@nrc.gov' <john.monninger@nrc.gov>; Luke, Robert S; Zumwalt, James P; 'Huntington, Miki T LTC USA USFJ J54' (b)(6) 'USFJ-CAT-J5' (b)(6)  
**Sent:** Fri Mar 18 21:42:38 2011  
**Subject:** Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

I think I've been in touch with just about everyone on the cc line in the past two hours about the possibility of Australian Government assistance in transporting equipment from Perth to Japan that

could be used for a water pumping system that Nuclear Regulatory Commission experts and Bechtel believe could address cooling difficulties at the Fukushima Dai-ichi nuclear plant. I was going to suggest the following steps:

(b)(5)

Fingers crossed on making this happen, and thanks in advance for everyone's assistance.

Joe Young  
Political-Military Unit Chief  
U.S. Embassy, Tokyo  
81-3-3224-5338

---

**From:** Merchant, Ned [mailto:[cemercha@bechtel.com](mailto:cemercha@bechtel.com)]  
**Sent:** Thursday, March 17, 2011 9:56 PM  
**To:** Young, Joseph M; [timothy.kolb@nrc.gov](mailto:timothy.kolb@nrc.gov); RST01 Hoc  
**Subject:** FW: Bill of Material

Joe,

Here is what we are chasing. We are looking at 4 trains.

Best Regards, Ned  
***"Quality is not an act, it is a habit"***

---

**From:** Thomas, Eugene  
**Sent:** Thursday, March 17, 2011 2:10 AM  
**To:** Merchant, Ned  
**Subject:** Bill of Material

Attached is a Bill of material and a rough sketch showing the "system". I've also clarified the write-up below. I plan to go home but can be reached by cell phone, as needed (240 566 2503).

Gene

The requisitions you sent identify the following:

- 2 -6 inch submersible pumps systems S018000 (presumably for 2 separate trains)
- 2 – jetting pumps PU0230 (presumably for 2 separate trains)

The additional information set are other items are ancillary to these pumps. To satisfy the need for four trains, 2 additional 6 inch submersible pumps and 2 jetting pumps PU0230 will be needed

In addition the following items will be needed for each train:

- Spray pump - such as PU 0230
- Water cannon (we have not found one in our internet search that will guarantee delivery of 50 m high, 100 m horizontal) Here is what we found: <http://www.stanqindustries.com/site/docs/td/TD-3.pdf>
- Eductor fitting for 2 ½ inch pipe (150 psi service)
- Boron tank and 1" diameter flexible feed hose (suggest mounted on a wheel trailer – suggest minimum 500 gal)
- 700 m 2 ½ high pressure fire hose (rated for 150 psi service )
- 6 inch Camlock (or similar) fittings bolted to PU 0230 intake (rated at 150 psi service)
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- 2 flat bed trailers – 40 ft length

Note: the 6 inch submersible pump and the jetting pump, with ancillary equipment could be mounted on a single flat bed trailer. Likewise the spray pump and water cannon could be mounted on a separate flat bed trailer. Fuel trailers could be swapped out daily. The PU0230 pumps diesel engines are supplied by a 5 gal jerry can which requires hourly refueling, whereas the 6 inch submersible pump has a 120 gal stationary tank. To minimize refueling we suggest two fuel lines from the diesel with shutoff valves so that the fuel tanks trailers can be interchanged

Gene

---

**From:** Nakanishi, Tony  
**Sent:** Friday, March 18, 2011 7:35 AM  
**To:** Monninger, John  
**Subject:** Mtg w/General

John,

Pls see the flip chart re mtg with the General and call the number to confirm.

Thanks.

Tony



---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Friday, March 18, 2011 7:30 AM  
**To:** Hyland, Jason P; cemercha@bechtel.com; Kolb, Timothy; RST01 Hoc  
**Cc:** Yang, Forest; Tim.Gellel@dfat.gov.au; mary.mckeown@dfat.gov.au; Monninger, John; Luke, Robert S; Zumwalt, James P; (b)(6)  
**Subject:** Stockton, Richard C; Marut, Christopher J; Fritz, Jonathan D; Woodward, Aleisha  
RE: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

Thanks very much, Jason. Working hard here to identify the contacts required.

Joe Young  
Political-Military Unit Chief  
U.S. Embassy, Tokyo  
03-3224-5338

---

**From:** Hyland, Jason P  
**Sent:** Friday, March 18, 2011 8:28 PM  
**To:** Young, Joseph M; 'cemercha@bechtel.com'; 'timothy.kolb@nrc.gov'; 'RST01.Hoc@nrc.gov'  
**Cc:** Yang, Forest; 'Tim.Gellel@dfat.gov.au'; 'mary.mckeown@dfat.gov.au'; 'john.monninger@nrc.gov'; Luke, Robert S; Zumwalt, James P; (b)(6); Stockton, Richard C; Hyland, Jason P; Marut, Christopher J; Fritz, Jonathan D; Woodward, Aleisha  
**Subject:** Re: Australian Government Assistance in Transporting Equipment to Cool Spent Fuel Ponds at Fukushima Nuclear Plant

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Gene

---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Friday, March 18, 2011 7:00 AM  
**To:** Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony  
**Subject:** USG Response Update 3/18/11  
**Attachments:** usgresponse318.pdf

Please see attached.

Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

This email is UNCLASSIFIED.

(b)(5)

(b)(5)

(b)(5)

---

**From:** JapanEmbassy, TaskForce <JapanEmbassyTaskForce@state.gov>  
**Sent:** Friday, March 18, 2011 6:42 AM  
**To:** Cherry, Ronald C; JapanEmbassy, TaskForce; Young, Joseph M; Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony  
**Subject:** RE: MOD contact on nuclear issue: Yoshihisa Sato

[satouyosh@mod.go.jp](mailto:satouyosh@mod.go.jp)

Tim Hefner, U.S. Emb Pol-Mil  
03-3224-5541  
[hefnertb@state.gov](mailto:hefnertb@state.gov)

This email is UNCLASSIFIED.

---

**From:** Cherry, Ronald C  
**Sent:** Friday, March 18, 2011 5:44 PM  
**To:** JapanEmbassy, TaskForce; Young, Joseph M; Alan Remick; Aleshia Duncan; Bill Cook; Brooke Smith; Chuck Casto; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Jack Foster; James Trapp; James Trapp (BB); Joe Hughart; Joe Hughart (DART); John Monninger; Johnstone, Gregg M; Kirk Foggie; Mears, Jeremy M; Morales, Russell A; Rick Devercelly; Tim Kolb; Tony Nakanishi; Tony Ulses  
**Subject:** MOD contact on nuclear issue: Yoshihisa Sato

All:

I've been informed that **Mr. Yoshihisa Sato, Major, Policy Division, MOD** will be in charge coordinating the flow of information between TEPCO and the Kantei.

This is Mr. Sato's contact info:

Mr. Yoshihisa Sato  
Major, Policy Division, The Ministry of Defense  
TEL: 03-3268-3111 (extension 21251)

This email is UNCLASSIFIED.

This email is UNCLASSIFIED.



---

**From:** Batkin, Joshua  
**Sent:** Friday, March 18, 2011 6:27 AM  
**To:** Monninger, John  
**Subject:** I'll try you again

From work.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** LIA07 Hoc  
**Sent:** Friday, March 18, 2011 6:12 AM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** USNRC Earthquake-Tsunami Update.031811.0600EDT.docx  
**Attachments:** USNRC Earthquake-Tsunami Update.031811.0600EDT.docx

Attached, please find a 0600 EDT from March 18 situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 11, 2011.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Thank you,

Rebecca Clinton  
EBT Coordinator

---

**From:** Hiland, Patrick  
**Sent:** Friday, March 18, 2011 4:12 AM  
**To:** Monninger, John  
**Subject:** RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

Thanks John, just request the RST bridge.

---

**From:** Monninger, John  
**Sent:** Friday, March 18, 2011 3:48 AM  
**To:** Cherry, Ronald C; Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Foster, Jack; Trapp, James; James Trapp (BB); Klingmeyer, James F; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony  
**Cc:** Nakanishi, Tony  
**Subject:** RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

Thanks Ron.

We will be there with the understanding that that a speaker phone line will be available to connect us back to our NRC HQs operations Reactor Safety Team.

Also, what about the need for an interpreter?

---

**From:** Cherry, Ronald C [CherryRC@state.gov]  
**Sent:** Friday, March 18, 2011 3:43 AM  
**To:** Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Foster, Jack; Trapp, James; James Trapp (BB); Klingmeyer, James F; Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony  
**Subject:** FW: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

A meeting has been set for 7 pm at the offices of TENEX Japan.  
Participants: max 3 NRC + 1 Embassy; ~ 2 or 3 Russians  
Waiting for a call back from TENEX poc.  
Location is approx. 15 minute walk from the Embassy. I'll bring a map.  
Ron

This email is UNCLASSIFIED

---

**From:** Shearer, Jon E  
**Sent:** Thursday, March 17, 2011 7:59 PM  
**To:** 'Connery, Joyce'; 'Fitzgerald, Paige'  
**Cc:** Buzzard, Christine M; Vogler, Katherine M; Martin, Loretta G; Ustyuzhanin, Andrey P; 'Roecker, Scott'; 'Tracy.Mustin@nnsa.doe.gov'; 'Huizenga, David'; 'Harrington, Anne'  
**Subject:** DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11  
Joyce/Paige,

As discussed by Deputy Secretary Poneman and Director General Kiriyeiko, Mikhail Lysenko sent Christine Buzzard the names of the Russian experts with Chernobyl experience currently in Japan. When Kiriyeiko said they were not being used and that the Russians might bring them back to Russia, the DepSec offered to talk to the Japanese government and see if they could not make use of that experience in dealing with the situation in Fukushima. The names of the three gentlemen Mr. Kiriyeiko mentioned are below, with a link to biographical and contact info for Mr. Asmolov.

Asmolov, V.G. – Biography at <http://rosenergoatom.ru/wps/wcm/connect/rosenergoatom/site/about/leadership/asmolov/>  
Strizhov, V.F. (CV attached)

Pluzhnik, S.N. , a representative of Rosatom in Japan, (tel: +81-80-51-91-1788) \*be advised that this is a Japanese phone number\*  
In Russian;

1. Асмолов В.Г. Биография -; <http://rosenergoatom.ru/wps/wcm/connect/rosenergoatom/site/about/leadership/asmolov/>

тел. +7-985-970-6932;

2. Стрижов В.Ф. (биография прилагается);

3. Плужник С.Н., представитель Госкорпорации «Росатом» в Японии; тел. +81-80-51-91-1788.

<<(E)\_Strizhov\_CV.DOC>>

---Jon

Jon Shearer

Deputy Director

Department of Energy Moscow Office

[shearerje@state.gov](mailto:shearerje@state.gov)

7(495)728-5220/5202

---

**From:** Kolb, Timothy  
**Sent:** Friday, March 18, 2011 4:12 AM  
**To:** Casto, Chuck  
**Cc:** Monninger, John  
**Subject:** Health

Chuck,

(b)(6)

Call if you need anything.  
Tim

---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Friday, March 18, 2011 4:04 AM  
**To:** Monninger, John  
**Subject:** RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

Understood.

This email is UNCLASSIFIED.

---

**From:** Monninger, John [mailto:John.Monninger@nrc.gov]  
**Sent:** Friday, March 18, 2011 4:55 PM  
**To:** Cherry, Ronald C  
**Subject:** RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

The interpreter would be for the Russians to speak English if they don't already.

---

**From:** Cherry, Ronald C [CherryRC@state.gov]  
**Sent:** Friday, March 18, 2011 3:52 AM  
**To:** Monninger, John  
**Subject:** RE: DOE MOSCOW UPDATE / 2000 MOSCOW TIME/ 17 MAR 11

I'll confirm.

This email is UNCLASSIFIED.

---

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**Sent:** Friday, March 18, 2011 4:48 PM  
**To:** Cherry, Ronald C; Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Foster, Jack; Trapp, James; James Trapp (BB); Klingmeyer, James F; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulises, Anthony  
**Cc:** Nakanishi, Tony  
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3. Плужник С.Н., представитель Госкорпорации «Росатом» в Японии; тел. +81-80-51-91-1788.

<<(E)\_Strizhov\_CV.DOC>>

---Jon

Jon Shearer

Deputy Director

Department of Energy Moscow Office

[shearerje@state.gov](mailto:shearerje@state.gov)

7(495)728-5220/5202

**STRIZHOV Valery Fedorovich**

**Director of the Division of Physical and Engineering Problems of the Nuclear Power Safety**

**Date of birth** (b)(6)

**Education**

1969 – 1975 M.V. Lomonosov Moscow State University, Department of Physics, specialty – physics  
1975 – 1978 Post-graduate course at the Department of Physics, M.V. Lomonosov Moscow State University, specialization: theoretical and mathematical physics  
1985 Ph. D. thesis in physics and mathematics (specialization: theoretical and mathematical physics)  
2000 Doctoral thesis in physics and mathematics (specialization: thermal and molecular physics)

**Expertise**

1979 – 1989 Researcher at the Troitsk Branch of I.V. Kurchatov Institute of Atomic Energy  
1989 – 1997 Nuclear Safety Institute of the Russian Academy of Sciences (IBRAE RAN): - head of laboratory, head of department  
1997 – present Director of the Division of Physics and Engineering Problems Associated with the Safety of the Fuel and Energy Cycle, IBRAE RAN

**Major areas of research interest**

1. Severe accident modeling on Nuclear power plants
2. Development of models and computer codes to analyze consequences of severe accidents at nuclear power plants
3. Analysis of nuclear power plant safety
4. High temperature plasma physics

**Participation in international conferences, symposia**

- Second Annual Conference of the Russian Nuclear Society, Nizhni Novgorod, 1993.
- Thirteenth Annual Conference of the U.S. Nuclear Society, 1995.
- Annual meetings in the Cooperative Severe Accidents Research Program, Washington, DC, 1991-2005.
- Regular meetings of the OECD RASPLAV Project Review Group, 1994-1999.
- Regular meetings of the OECD MASCA Project Review Group, 1999 - 2005.
- Meetings of OECD special working groups on the problem of in-vessel melt retention and coolability (Grenoble, France, 1994; Munich, Germany, 1998).
- Seminar of the International Society on Heat and Mass Transfer in Nuclear Power Facilities (Chesme, Turkey, 1995).
- OECD special working group for "Safety Research Needs for Russian Designed Reactors", France, 1997.
- Russian Academy of Sciences / U.S. Department of Energy scientific workshop "Fuel Cell Technology", Moscow, October 12-14, 1999.
- International RASPLAV 2000 Seminar, November 2000, Garching, Germany.
- International Conference on Advances in Nuclear Power ICAPP-2005, Seoul, Korea.
- International Conference on Advances in Nuclear Power ICAPP-2006, Reno, NV, USA.



## Experience of implementation of projects

- 1990 – present - Leadership in a collaborative project with the U.S. Nuclear Regulatory Commission on the development and validation of severe accident codes of the U.S. NRC (SCDAP/RELAP5 and MELCOR)
- 1994 – present - Coordination of theoretical activities within the framework of the OECD RASPLAV/MASCA projects
- 1994 - 1997 - Leadership in an ISTC project on interaction of melt with high-temperature concrete
- 1995 – present - Leadership in a number of collaborative projects with the U.S. Department of Energy
- 1999 – present - Coordination of development of Russian system of codes for severe accident analysis

## Awards

1997 - Order of Courage for the participation in elimination of Chernobyl accident consequences

## List of major publications

- 1 Dynamics of ionization and radiation of impurity ions in plasma. Proc.XII Int. Conf. on Phenomena in Ionized Gases Eindhoven,1975, p.38
- 2 Low-q discharges in T-10 tokamak , Plasma Phys. and Contr. Nucl. Fus. Res. Vienna, IAEA, v.1,1981, pp.24-33
- 3 Spectroscopic research of light impurities in T-10 device, Proc. X Eur.Conf. on Contr. Fus. and Plasma Phys. Moscow, 1981,v.1,A-11.
- 4 Plasma and impurity transport study on T-10 with the low pellet injection, Plasma Phys.and Contr Nucl.Fus.Res. Proc.X Int.Conf. London. Vienna,IAEA,v.1,pp.181-189
- 5 Injected impurity transport study in the T-10 plasma by X-ray and UV spectroscopy, Contr.Fus. and Plasma Phys. Proc 12-th Eur. Conf. Budapest,part 1, 1985, pp. 207-210
- 6 Computer Code RASPLAV for molten core-concrete interaction analyses, Preprint IBRAE, 16, 1991,
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**From:** Monninger, John  
**Sent:** Friday, March 18, 2011 3:16 AM  
**To:** Cook, William  
**Subject:** FW: Russian Embassy

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**From:** Cherry, Ronald C [CherryRC@state.gov]  
**Sent:** Thursday, March 17, 2011 10:38 PM  
**To:** Klingmeyer, James F  
**Cc:** Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Tony Nakanishi; Ulses, Anthony  
**Subject:** FW: Russian Embassy

Jim,

FYI, below are contacts I have at the Russian Embassy. I will contact them re: the team that Russia is sending to help at the Fukushima reactor. Depending on what I find out, we may work this through DAO, as well. I will keep you apprised.

Igor Ustinov, Counsellor for nuclear and science/technology

Alexander Khramov, First Secretary

Thanks.

Ron  
Ronald C. Cherry  
Energy Attaché  
Director, DOE Japan Office  
U.S. Embassy Tokyo  
Tel. (0)3-3224-5444  
Fax (0)3-3224-5769  
Cell (b)(6)  
email [CherryRC@state.gov](mailto:CherryRC@state.gov)

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**From:** Berger, Claire <BergerMC@state.gov>  
**Sent:** Friday, March 18, 2011 2:46 AM  
**To:** Vizcarra, Jacquelyn K; Japan-Embassy-Task-Force-DL; Tokyo-Consular-Officers-DL; Berger, William; emagee@ofda.gov; asink@ofda.gov; Alan Remick DOE; Aleshia Duncan; Cook, William; Smith, Brooke; Cherry, Ronald C; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp NRC; Joe Hughart HHS; Joe Hughart OFDA; Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Nesheiwat, Julia; Devercelly, Richard; Russ Morales; Tamada, Yoshimi; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony; Uchida, Koichi  
**Subject:** RE: power outage -- on Sunday  
**Importance:** High

This will not/not happen today. It is scheduled for Sunday, 20<sup>th</sup>. Time is TBD.

Claire Berger

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**From:** Vizcarra, Jacquelyn K  
**Sent:** Friday, March 18, 2011 11:35 AM  
**To:** Japan-Embassy-Task-Force-DL  
**Subject:** power outage to install emergency generator

FYI: We are going to be installing the emergency generator to support the Information System Center (our Server Room that supports all Unclassified and SBU IT operations).  
Time of outage is planned to take place from 1600 to 1800 today.  
You will still have phone service and ClassNet service during this time.

**Jacquelyn K. Vizcarra**  
OMS Economic Section  
U.S. Embassy Tokyo, Japan  
03-3224-5032

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**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Friday, March 18, 2011 2:21 AM  
**To:** Basalla, Suzanne I; Gabor, Robert R; Angelov, Bonnie A; Fuller, Matthew G; Hinds, Lynda J; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Monninger, John; Foggie, Kirk; Devercelly, Richard; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony Wall, Marc M; Cipullo, Timothy L; Howard, E. Bruce; Marks, Eriko M; Horowitz, Paul D; Duncan, Aleshia D; Zumwalt, James P; Alexander, Kathleen J  
**Cc:**  
**Subject:** RE: Bio info and points for TEPCO executives  
**Attachments:** image001.jpg; image002.jpg

Suzanne,

Yes, I believe that's correct.

Chuck,

(b)(5)

Thanks.

Ron

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**From:** Basalla, Suzanne I  
**Sent:** Friday, March 18, 2011 3:15 PM  
**To:** Gabor, Robert R; Angelov, Bonnie A; Fuller, Matthew G; Hinds, Lynda J  
**Cc:** Wall, Marc M; Cipullo, Timothy L; Cherry, Ronald C; Howard, E. Bruce; Marks, Eriko M; Horowitz, Paul D; Duncan, Aleshia D; Zumwalt, James P; Alexander, Kathleen J  
**Subject:** RE: Bio info and points for TEPCO executives

(b)(5)

suzanne

SBU

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**From:** Gabor, Robert R  
**Sent:** Friday, March 18, 2011 2:54 PM  
**To:** Angelov, Bonnie A; Basalla, Suzanne I; Fuller, Matthew G; Hinds, Lynda J  
**Cc:** Wall, Marc M; Cipullo, Timothy L; Cherry, Ronald C; Howard, E. Bruce; Marks, Eriko M; Horowitz, Paul D; Duncan, Aleshia D; Zumwalt, James P; Alexander, Kathleen J  
**Subject:** Bio info and points for TEPCO executives  
**Importance:** High

Bonnie – Here is what Marks-san and the rest of us could pull together for a possible call to TEPCO:

(b)(5)



Chairman Tsunehisa Katsumata  
Born (b)(6) Tokyo  
Graduate Tokyo Univ.  
1963 Join TEPCO  
1999 Executive Vice President of TEPCO  
2002 President of TEPCO  
2008 Chairman of TEPCO





President Masataka Shimizu

Born (b)(6)

Graduate Keio University

1968 Join TEPCO

2006 Executive Vice President of TEPCO

2008 President of TEPCO

SBU

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**From:** Peko, Damian <Damian.Peko@Nuclear.Energy.gov>  
**Sent:** Thursday, March 17, 2011 11:32 PM  
**To:** Cherry, Ron; Alan Remick; Duncan, Aleshia; Cook, William; Smith, Brooke; Casto, Chuck; Duncan, Aleshia (State Dept); Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Tony Nakanishi; Ulses, Anthony  
**Cc:** Tong, Kurt W; Basalla, Suzanne I; Fuller, Matthew G  
**Subject:** RE: Suggestion for cooling -- ice balloons

Ron

Discussed with NRC (Costa). Please thank Capt Takesuye for his suggestion. However, his suggested approach, while an improvement, is not sufficient enough an improvement. We need to get large quantities of water onto the spent fuel pools and dropping from the air, even if more goes into the pool, is not sufficient and is resulting in dose to pilots so they can only make a limited number of trips. We need to get large quantities of water on and are pursuing a pumped system.

The NRC is rather busy so it would be best if someone looked at these and filtered before they go to the NRC reps. I spoke to Chick Costa on future such suggestions and, if it is OK by the Embassy, he would like there to be a single POC who can filter these. Since I am the liaison to the NRC team he is OK with that person being me. Please advise if you would like me to be the filter for these suggestions and let me know.

Please advise.

Thanks

Damian

-----Original Message-----

**From:** Cherry, Ron  
**Sent:** Thursday, March 17, 2011 11:09 PM  
**To:** Alan Remick; Duncan, Aleshia; Bill Cook; Brooke Smith; Chuck Casto; Peko, Damian; Duncan, Aleshia (State Dept); Howard, E. Bruce; Jack Foster; James Trapp; James Trapp (BB); Joe Hughart; Joe Hughart (DART); John Monninger; Johnstone, Gregg M; Kirk Foggie; Mears, Jeremy M; Morales, Russell A; Rick Devercelly; Tim Kolb; Tony Nakanishi; Tony Ulses  
**Cc:** Tong, Kurt W; Basalla, Suzanne I; Fuller, Matthew G  
**Subject:** FW: Suggestion for cooling -- ice balloons

What does the NRC team think of this idea?

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-----Original Message-----

**From:** Basalla, Suzanne I  
**Sent:** Friday, March 18, 2011 12:07 PM  
**To:** Tong, Kurt W  
**Cc:** Cherry, Ronald C; Duncan, Aleshia D; Fuller, Matthew G

Subject: Suggestion for cooling -- ice balloons

Kurt,

Here's a suggestion in the email chatter world for cooling the reactor.

This is my second one received in two days...what do you think is the best way to get these to experts for their consideration? I think it's good for ideas to at least get to our experts for consideration.

It may sound silly -- but I like the idea of a suggestion box.

Thoughts?

Suzanne

From: Takesuye, Edward L CAPT USN CCG5

Sent: Friday, March 18, 2011 9:57 AM

Subject: RE: 18 MAR, Morning (Japan time) Update

John - yesterday's video coverage of the helicopter efforts indicated that the wind was dispersing the water and blowing it away from the target. Have you heard any consideration to drop large containers of water ("water ballon" - such as a bladder like a yokohama fender - the idea being the casing would melt and release all of the water) and/or drop ice since it would be less affected by wind?

r/ CAPT Takesuye

SBU

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-----Original Message-----

From: (b)(6) [mailto:(b)(6)]

Sent: Friday, March 18, 2011 10:56 AM

To: (b)(6)

(b)(6)

Subject: RE: 18 MAR, Morning (Japan time) Update

John - they may only be thinking water, water, water . . . Have they opened a "suggestion" box for ideas? If not, maybe they should. . .

Considering the consequences.

v/r,  
CAPT Takesuye

-----Original Message-----

From: Niemeyer, John CIV USN CNFJ

Sent: Friday, March 18, 2011 10:22 AM

To: (b)(6)

(b)(6)

Cc: Faber, Sheryl Y CIV USN CNFJ; Ueji, Takuya FORNATL JA USN CNFJ; Niijima, Noriko FORNATL JA USN CNFJ

Subject: RE: 18 MAR, Morning (Japan time) Update

COS,

My impression is that they are making up the tactics as they go along

--- battle against time --- Your idea might be a welcome/good one --- sounds like something we should suggest to GENERAL Oriki and GENERAL Hibako and/or ADM Sugimoto, ASAP...

V/R, John N.

-----Original Message-----

From: Takesuye, Edward L CAPT USN CCG5

Sent: Friday, March 18, 2011 9:57 AM

Subject: RE: 18 MAR, Morning (Japan time) Update

John - yesterday's video coverage of the helicopter efforts indicated that the wind was dispersing the water and blowing it away from the target. Have you heard any consideration to drop large containers of water ("water ballon" - such as a bladder like a yokohama fender - the idea being the casing would melt and release all of the water) and/or drop ice since it would be less affected by wind?

r/ CAPT Takesuye

-----Original Message-----

From: Niemeyer, John CIV USN CNFJ

Sent: Friday, March 18, 2011 9:47 AM

Subject: 18 MAR, Morning (Japan time) Update

-- Resumption of helo & water-cannon truck coolant insertion operations has yet to occur.

-- Re-connection of electricity in near future will be intended to reactive ECCS systems, where possible (see attached diagram).

-- Pouring water on the No. 4 unit of Fukushima Daiichi nuclear plant may be effective to cool down apparently overheating spent nuclear fuel in the facility, as the reactor appears to have only a skeleton of the roof frame, a U.S. think tank said Thursday, citing a fresh satellite image of the facility.

"With only a skeleton frame on the roof, it may be easier to deliver water to the spent fuel pond to unit 4 from above," the Institute for Science and International Security said in a statement.

Analyzing the new satellite image, the Washington-based think tank said, "While the paneling on the roof of the building appears intact in the March 16, 2011 image, it appears that only the skeleton of the roof frame is left in the March 17, 2011 image."

While it is possible that the varying angles of the images are affecting the appearance, the difference appears significant enough to indicate a structural change, it added.

Japan is struggling to prevent high levels of radiations from emitting from the damaged reactors at Tokyo Electric Power Co.'s Fukushima Daiichi nuclear plant in Japan's northeastern prefecture of Fukushima.

The No. 4 reactor was under maintenance when a powerful earthquake hit Japan last week.

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**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Thursday, March 17, 2011 11:27 PM  
**To:** JapanEmbassy, TaskForce  
**Cc:** Alan Remick; Aleshia Duncan; Cook, William; Smith, Brooke; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp (BB); Joe Hughart; Joe Hughart (DART); Monninger, John; Johnstone, Gregg M; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Devercelly, Richard; Kolb, Timothy; Tony Nakanishi; Ulses, Anthony  
**Subject:** FW: Summary of AMS results  
**Attachments:** AMS Data Summary.ppt

Attached is the briefing package that explains the results of the DOE AMS measurements yesterday. Please forward to TaskForce1.

This email is UNCLASSIFIED



# AMS Measurements

## ♦ Ops Summary

- DOE Team flew two concurrent missions using military C-12 and UH-1 aircraft.
  - C-12 aircraft flew serpentine pattern north and south of the reactors at an altitude of 1000 ft.
  - UH-1 helo flew a serpentine pattern 50 miles to the north and northwest of Toyko at an altitude of 500 feet.

## ♦ Plot interpretation

- Areas exceeding EPA Emergency Phase PAGs are shown in red and orange.
- C-12 data is presented as exposure rate 1 meter from the ground at the time the measurements occurred.
- All measured exposure rates are assumed to be due to ground deposition. This is a conservative estimate because some of the measured dose is airborne.



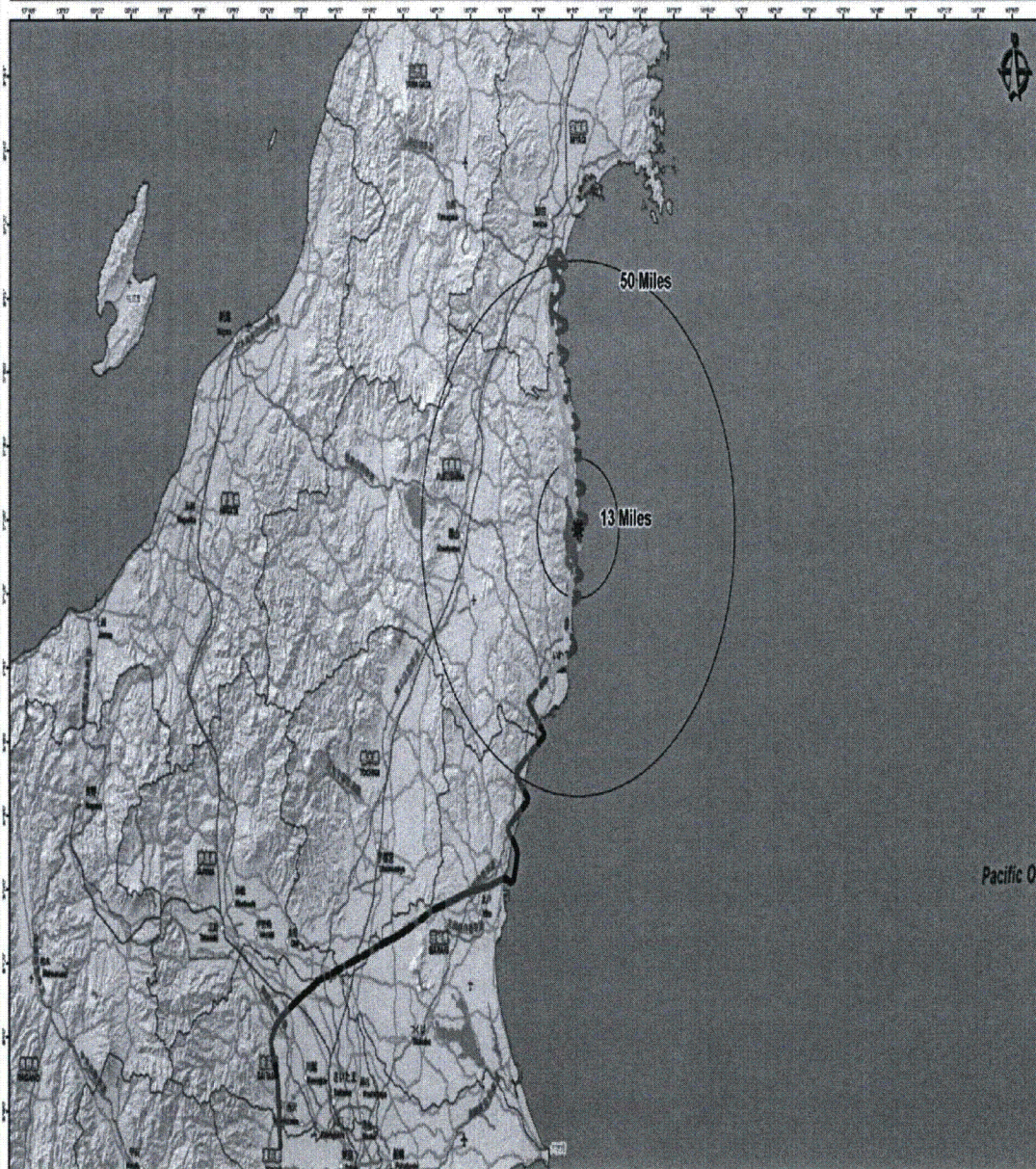


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# Aerial Monitoring Results

## Exposure Rate

FUKUSHIMA DAICHI  
JAPAN



\* FUKUSHIMA DAICHI

### C-12 Aerial Data

Exposure Rate (mR/hr)

- 0.01
- 0.02 - 0.10
- 0.11 - 1.00
- 1.01 - 10.00
- 10.01 - 20.00
- 20.01 - 32.48

#### Technical Considerations and Notes:

- This product is a conservative estimate based on the assumption that all material is deposited along the ground.
- Based upon current environmental conditions this product aligns with previously established 13 mile protective action zone.
- Caution should be used when correlating aerial measurements to ground based measurements and activities at specific locations.

### Not For Public Distribution

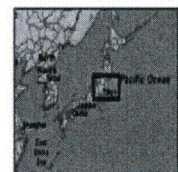
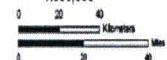
C-12 Nominal Altitude at 1000 ft Above Ground Level

Flight Information:  
Estimated Area Flown 1800 sq mi

This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. HSPG 2007, ESRI's World Street Map, and CIA/NT databases were used for map generation.

RSL map identification number is:  
00172001\_OversatCoverage.mxd

1:800,000



Map created on 3/17/2011 5:29:13 AM PST  
Check for revision in 12 hours

Official Use Only

NNSA Consequence Management Home Team  
Contact: (b)(6)

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CP 3097 of 3505



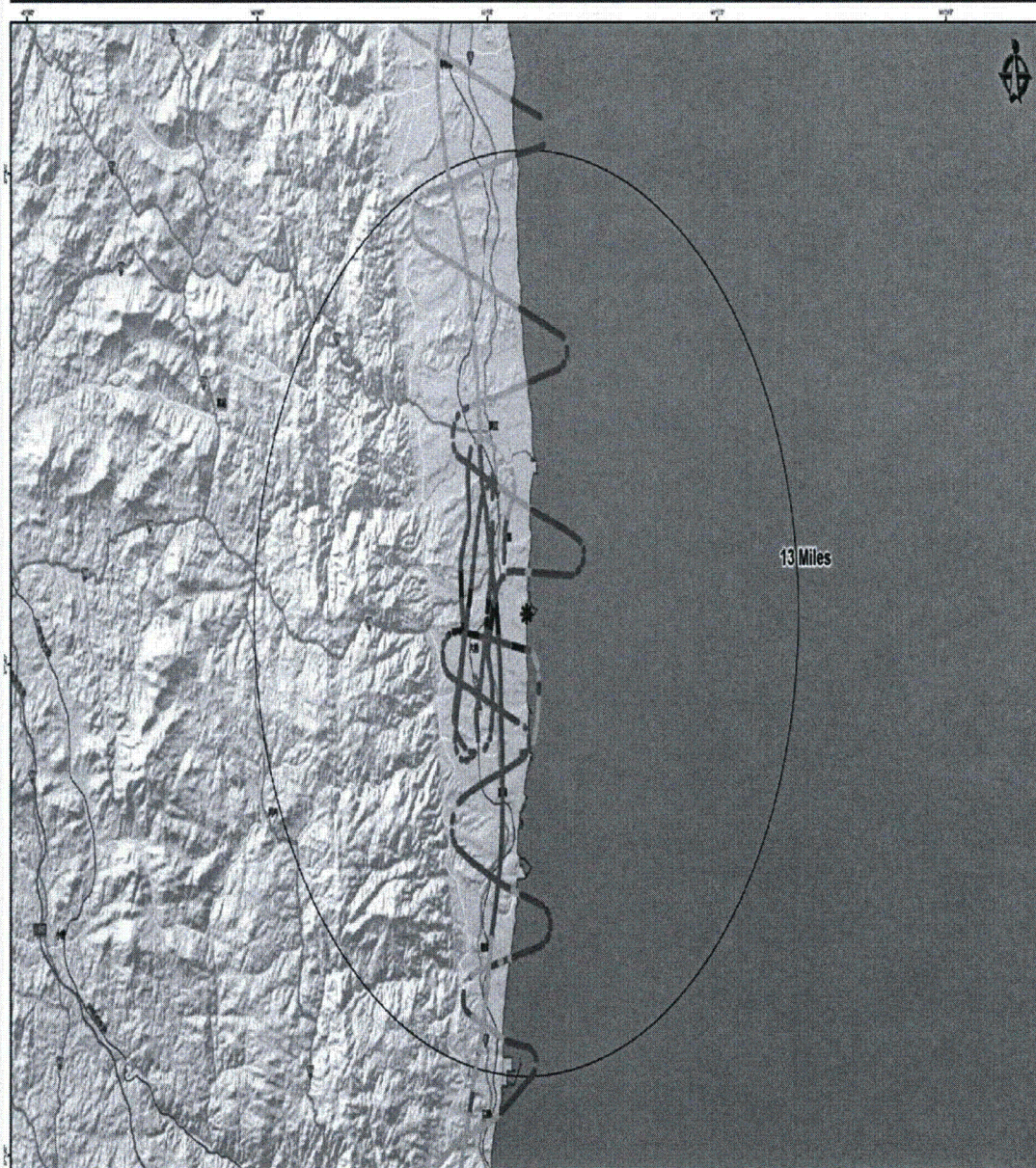


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# Aerial Monitoring Results

## Exposure Rate

FUKUSHIMA DAICHI  
JAPAN



\* FUKUSHIMA DAICHI

C-12 Aerial Data

Exposure Rate (mR/hr)

- 0.01
- 0.02 - 0.10
- 0.11 - 1.00
- 1.01 - 10.00
- 10.01 - 20.00
- 20.01 - 32.48

Technical Considerations and Notes:  
• This product is a conservative estimate based upon the assumption that all material is deposited along the ground.  
• Based upon current environmental conditions the product aligns with previously established 13 mile protective action zone.  
• Caution should be used when correlating aerial measurements to ground based measurements and activities at specific locations.

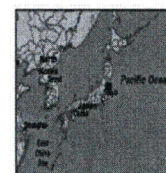
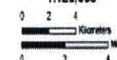
Not For Public Distribution

C-12 Nominal Altitude at 1000 ft Above Ground Level  
Flight Information:  
Estimated Area Flown: 1900 sq NM

This map was produced by the Geographic Information Systems department of NNSA's Remote Sensing Laboratory (RSL) at Nellis AFB, Las Vegas, Nevada. HSPD 5047, ESRI World Street Map, and CIBT databases were used for map generation.

RSL map identification number is:  
09172011\_PlanetVisonResults.mxd

1:120,000



Map created on 3/17/2011 5:33:41 AM PST  
Check for revision in 12 hours

Official Use Only

NNSA Consequence Management Home Team  
Contact (7) (b)(6)

Official Use Only

Official Use Only





~~Official Use Only~~

# Conclusions

- ♦ A conservative assessment of these measurements indicates that as of 17 March 2011:
  - Emergency Phase PAGs are not exceeded beyond 5 miles to the north and south of the accident site
  - Evacuation and shelter areas established by the Government of Japan are adequate for current conditions
  - US evacuation guidance is sufficient and conservative

~~Official Use Only~~



~~Official Use Only~~

# Next steps

- ♦ Analysis of the helicopter data is on-going. Preliminary analysis indicates that the radiological deposition extending 50 miles north from Tokyo is near background.
- ♦ DOE (CM Home Team) is in the process of converting these measurements to a 4-day dose
- ♦ Additional flights are planned this evening to characterize areas further west of the accident site

~~Official Use Only~~

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**From:** Casto, Chuck  
**Sent:** Thursday, March 17, 2011 11:17 PM  
**To:** Virgilio, Martin  
**Cc:** Monninger, John; Sheron, Brian; Wiggins, Jim  
**Subject:** Re: Additional support

Thank you

---

**From:** Virgilio, Martin  
**To:** Casto, Chuck  
**Cc:** Monninger, John; Sheron, Brian; Wiggins, Jim  
**Sent:** Thu Mar 17 23:13:44 2011  
**Subject:** Additional support

Chuck

[REDACTED] (b)(5) Brian  
will follow up again on day shift.

Note the message below for additional options [REDACTED] (b)(5),(b)(6)

Marty

---

**From:** Zigler, Gilbert [mailto:gzigler@alionscience.com]  
**Sent:** Thursday, March 17, 2011 1:22 PM  
**To:** Virgilio, Martin  
**Subject:** RE: Message

Marty:

Thanks for taking the time to respond. I would like to inform you that Bahman Atefi, Alion's Chairman & CEO, stands ready to provide pro-bono technical support (including travel to Japan) to support the request by the Japanese government for technical assistance concerning the Fukushima accident. Alion has personnel who are very experienced in the ECCS performance analysis of BWRs as well as post-accident analysis. I was personally involved in the TMI accident—arriving on-site 16 hours after the reactor scram to establish reactor vessel water level monitoring—and became very familiar with plant responses to upset conditions. Over the last 6 years I have also had significant interactions and performed multiple ECCS system analyses for TEPCO, and could facilitate obtaining additional sources of information. Dr. Peter Mast was a consultant to the Kemeny Commission Technical Task Force that investigated the TMI accident and co-authored a report at Los Alamos to provide an early estimate of fuel damage in the plant. Steve Unikewicz just recently left the NRC and was a qualified member of the Incident Response Team as well as a Reactor Safety Team counterpart to the Protective Measure Team, Red Team. Previous to his work at NRC, Steve was a severe accident team lead at Millstone 1. Alion has been actively engaged in CFD modeling of post-accident reactor vessel thermal hydraulics by virtue of performing ECCS analysis for both PWRs and BWRs. I would suggest that Alion could provide in-depth technical support in documenting and understanding the accident progression at each of the Fukushima Daiichi plants.

Please let me know who I should contact either within the NRC or the US Agency for International Development to integrate Alion into the US team supporting the Fukushima accident response. We would like to be of assistance, and your help in facilitating our involvement would be greatly appreciated.

Gilbert Zigler  
Senior Scientist/Engineer  
Alion Science and Technology  
6200 Uptown Blvd NE, Suite 120  
Albuquerque, NM 87110

Phone:  
Albuquerque: (505) 872-1089 ext 126  
Colorado: (970) 882-8066  
Mobile: (b)(6)

---

**From:** Virgilio, Martin [mailto:Martin.Virgilio@nrc.gov]  
**Sent:** Wednesday, March 16, 2011 10:28 PM  
**To:** Zigler, Gilbert  
**Subject:** Message

Hi Gil

I understand that you have been trying to get in touch. I have been working night shift this week in support of our team in Japan. Is there something we can discuss by e mail.

Marty

---

**From:** Batkin, Joshua  
**Sent:** Thursday, March 17, 2011 10:45 PM  
**To:** Monninger, John  
**Subject:** Ok

Gonna try to sleep. Wake me up if you need to. Hope you are well.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Hipschman, Thomas  
**Sent:** Thursday, March 17, 2011 9:16 PM  
**To:** Monninger, John  
**Subject:** Fw: Fukushima Event Response Idea

Fyi

---

**From:** McDermott, Brian  
**To:** Hipschman, Thomas  
**Sent:** Thu Mar 17 21:11:26 2011  
**Subject:** Re: Fukushima Event Response Idea

Thx Tom.

Fireboat is being considered as part of potential pumping system.  
They say it's 800m from shore to base of Rx bldg.

Brian

Brian McDermott  
301-415-7475 (direct)  

(b)(6)

 (mobile)

---

**From:** Hipschman, Thomas  
**To:** McDermott, Brian  
**Sent:** Thu Mar 17 20:06:42 2011  
**Subject:** Fukushima Event Response Idea

Hi Brian,

I had a thought I hadn't heard mentioned on the bridge, and thought I'd send it along.

During the Indian Point 2004 FEMA Exercise, I recall one of the strategies was to send a fire tugboat up from NYC. They seem to have some pretty long range spray. While it might not be useful for getting water into the buildings due to the radiation plume, a fire fighting tugboat might be useful for knocking down the plume to minimize its spread.

You guys are doing a great job.

Best Wishes,

Tom

---

**From:** Batkin, Joshua  
**Sent:** Thursday, March 17, 2011 9:09 PM  
**To:** Monninger, John  
**Subject:** Can you call me

At home? (b)(6) I'll email you again when I can't stay awake anymore.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



---

**From:** iTrezzo Admin  
**Sent:** Thursday, March 17, 2011 7:09 PM  
**To:** Monninger, John  
**Subject:** BlackBerry Contact Update

To be prepared in an urgent situation, the NRC Emergency Preparedness Software has updated one or more of your Outlook Contacts.

The following 1 contact(s) were updated with current information:

- Tony Nakanishi (Other (b)(6))

These changes will synchronize with the address book on your BlackBerry. Contact CSC at (301) 415-1234 if these changes do not appear on your BlackBerry within 24 hours.

---

**From:** Champ, Billie  
**Sent:** Thursday, March 17, 2011 5:58 PM  
**To:** Batkin, Joshua; Monninger, John; Bradford, Anna; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho  
**Cc:** Vietti-Cook, Annette; Jaegers, Cathy; Clayton, Kathleen; McKelvin, Sheila  
**Subject:** e-WASH  
**Attachments:** eWASH--03-17-11.pdf

**I have attached for your information eWash dated March 17, 2011 from Nathan Tibbits re: Deputies Committee Meeting on Japan Earthquake**

**Billie A. C-Lopes**  
**March 16, 2011**

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

March 17, 2011

MEMORANDUM FOR

(b)(5)

(b)(5),(b)(6)

Attachment  
Tab A Agenda

**TAB A**

DEPUTIES COMMITTEE MEETING ON JAPAN EARTHQUAKE

DATE: March 18, 2011  
LOCATION: White House Situation Room/SVTC  
TIME: 7:30 - 8:30 a.m.

(b)(5)

---

**From:** Batkin, Joshua  
**Sent:** Thursday, March 17, 2011 5:55 PM  
**To:** Monninger, John  
**Subject:** Let's talk

When you are free.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** LIA07 Hoc  
**Sent:** Thursday, March 17, 2011 5:51 PM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** Status Update - 1700 EDT, March 17, 2011  
**Attachments:** USNRC Earthquake-Tsunami Update.031711.1700EDT.docx

Please see the attached status update. If there are any errors that need to be changed, please send corrections to me.  
Thank you!  
-Sara

Sara K. Mroz  
Communications and Outreach  
Office of Nuclear Security & Incident Response  
[Sara.mroz@nrc.gov](mailto:Sara.mroz@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)



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**From:** Castleman, Patrick  
**Sent:** Thursday, March 17, 2011 4:11 PM  
**To:** Castleman, Patrick; Franovich, Mike; Tadesse, Rebecca  
**Cc:** Snodderly, Michael; Orders, William; Hipschman, Thomas; Marshall, Michael; Warnick, Greg; Monninger, John  
**Subject:** RE: quick references for B.5.b info

I have asked OEDO to provide this list to the Commission offices.

-----Original Message-----

**From:** Castleman, Patrick  
**Sent:** Thursday, March 17, 2011 3:32 PM  
**To:** Franovich, Mike; Tadesse, Rebecca  
**Cc:** Snodderly, Michael; Orders, William; Hipschman, Thomas; Marshall, Michael; Warnick, Greg; Monninger, John  
**Subject:** RE: quick references for B.5.b info

Thanks, Mike.

At the 1530 Monday conference call, it was reported that we had provided USAID a list of additional equipment that could be brought in to help with mitigation. This list was largely developed from B5b. Does anyone have a copy of this list, or know where we can get one?

Thanks! Pat

-----Original Message-----

**From:** Franovich, Mike  
**Sent:** Thursday, March 17, 2011 3:09 PM  
**To:** Tadesse, Rebecca  
**Cc:** Snodderly, Michael; Castleman, Patrick; Orders, William; Hipschman, Thomas; Marshall, Michael; Warnick, Greg; Monninger, John  
**Subject:** FW: quick references for B.5.b info

RE: Fukushima Daiichi Event

Rebecca, et al.,

Below is a quick reference to some B.5.b information that may be useful given the potential of the strategies and equipment to handle non-B.5.b scenarios. A few years ago, I had one of my branch staff develop a high-level, single table summary for each plant. This was done as segue for potential risk credit under the ROP/SDP. I also had the information placed in the Reactor Safety Team tool box so we didn't have to rely on the Safeguards Team for the info during an emergency.

Mike

-----Original Message-----

**From:** Franovich, Mike  
**Sent:** Thursday, March 17, 2011 8:40 AM

To: Snodderly, Michael  
Subject: quick references for B.5.b info

Go to this link and look for the link

<http://nrr10.nrc.gov/adt/dssa/spsb/webpages/srapage/sdpnotebooks/sdpindex.html>

Plant specific B.5.b items are under Table 2a in each notebook.

Also look for the link "Here" next to the below line for the plant specific submittal list by ADAMS ML #s

"Documents Describing Plant Safety Enhancements that may Affect Risk-Informed Inspection Notebooks is available"

---

**From:** Devercelly, Richard  
**Sent:** Thursday, March 17, 2011 3:12 PM  
**To:** Casto, Chuck; Cook, William; Kolb, Timothy; Nakanishi, Tony; Trapp, James; Foster, Jack; Monninger, John; Smith, Brooke; Foggie, Kirk  
**Subject:** Time and Labor Info

Japan Team:

A package has been printed with time sheet (T&L) info related to the Japan event NRC responders. Make sure you get one.

10 copies are on the desk top beside the printer.

Rick DeVercelly

---

Managers, supervisors, team leaders, and T&L Coordinators,

Attached for your information is a document that addresses, in detail, work schedules and premium pay for individuals who serve in and support the NRC Operations Center or work in Japan, in response to the current, serious nuclear power plant issues in that country. NSIR and the NRC Japanese support team leader will provide the document to all participants.

T&L Coordinators, please note that participants in your organization may contact you to request a change in their HRMS workgroups for pay periods in which they perform emergency response work.

Participants should contact me if they have any questions on work schedules or premium pay.

Larry Davidson  
Office of Human Resources  
Nuclear Regulatory Commission  
301-492-2286; [lawrence.davidson@nrc.gov](mailto:lawrence.davidson@nrc.gov)

---

**From:** Champ, Billie  
**Sent:** Thursday, March 17, 2011 3:05 PM  
**To:** Batkin, Joshua; Monninger, John; Bradford, Anna; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho  
**Cc:** Vietti-Cook, Annette  
**Subject:** Incoming Congressional Correspondence  
**Attachments:** (b)(5)

The attached letter was assigned as follows:

(b)(5)

(b)(5)

**Billie A. C-Lopes**  
**March 16, 2011**

**DENNIS J. KUCINICH**  
10TH DISTRICT, OHIO

2445 RAYBURN HOUSE OFFICE BUILDING  
WASHINGTON, D.C. 20515  
(202) 225-5871

14400 DETROIT AVENUE  
LAKEWOOD, OHIO 44107  
(216) 228-8850

PARMATOWN MALL  
7904 DAY DRIVE  
PARMA, OH 44129  
(440) 845-2707



**Congress of the United States**  
**House of Representatives**

[www.kucinich.house.gov](http://www.kucinich.house.gov)

RANKING MEMBER  
SUBCOMMITTEE ON REGULATORY AFFAIRS,  
STIMULUS OVERSIGHT AND GOVERNMENT  
SPENDING

COMMITTEE ON OVERSIGHT AND  
GOVERNMENT REFORM

COMMITTEE ON EDUCATION AND THE  
WORKFORCE

March 16, 2011

The Honorable Gregory B. Jaczko  
Chairman  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Dear Chairman Jaczko:

As the situation in Japan forces us to reconsider our definition of "unlikely," I am writing to request a detailed description of the specific actions the NRC will take to ensure measures are taken to provide a level of protection of public health and the environment for all Americans that exceeds the level of protection provided at the failing Japanese nuclear power plants like Fukushima Daiichi. A briefing to Members of Congress in which you explain the actions should accompany the report.

Specific safety issues addressed should include, but not be limited to a history of plant operator malfeasance and/or ineptitude; the flaws in the Mark I reactor design; the risks posed by earthquakes and tsunamis, floods, power outages, fires and intentional aircraft crashes; and the specific criteria for revoking or denying a license to operate.

As the Ranking Member of the Subcommittee on Regulatory Affairs, Stimulus Oversight and Government Spending of the Committee on Oversight and Government Reform, I look forward to hearing how the NRC will act swiftly to learn important lessons from the tragedy in Japan.

Operators of nuclear power plants with demonstrated poor safety records should not be allowed to continue to put the public at risk. Though there are several examples of companies whose past performance has shown that they should not be operating a nuclear power plant, the story of Davis-Besse, operated by FirstEnergy Nuclear Operating Company (FirstEnergy) is instructive.

On June 9, 1985, FirstEnergy allowed a 12-minute interruption in the feedwater flow to the steam generators, which was cited as a "potential catastrophe." In 2002, Davis-Besse's reactor head corroded nearly all the way through because it was "weakened by years of neglect." A former NRC top safety official, Harold Denton, stated in 2004 that these two incidents represent the nuclear "industry's second and third-lowest points after Three Mile Island."

FirstEnergy's employees tried to conceal the truth about the 2002 incident from the NRC using "tricks, schemes, or devices . . . to deliberately mislead" the agency. David Uhlmann, chief of the Justice Department's environmental crimes section, said that FirstEnergy showed "brazen

arrogance” and “breached the public trust” by withholding information about the reactor head incident. Federal prosecutors described the reactor head incident “as one of the biggest cover-ups in U.S. nuclear history.”

FirstEnergy paid a record fine of \$33.45 million as a result of its actions. Of that amount, a record \$28 million was the fine that First Energy paid “to avoid being criminally prosecuted for lying to the government about the dangerous condition of Davis-Besse’s old reactor head,” according to then-U.S. Attorney Greg White in 2006.

The total fine was merely 1% of FirstEnergy’s profits in 2004. While these may have been record fines, they were a mere slap on the wrist for FirstEnergy, creating little incentive to protect the public. This conduct is the product of an inveterate, corrupt culture of long standing deceit and corner-cutting on safety. With such an abysmal record, they, and other nuclear power plant operating companies with poor performance records should not be allowed to continue to operate nuclear power plants.

As you know, I have repeatedly called for the denial of FirstEnergy’s application to continue to operate Davis-Besse beyond its designed life span. Until there is adequate accountability, incentives to place profits before safety will persist.

The Fukushima Daiichi plant that is currently considered to pose the greatest threat to human health uses the General Electric Mark I reactor design. The Mark I has been criticized by NRC staff and others for failing to perform one of its primary functions: containing radiation in the event of a problem with the reactor.

The three explosions at Daiichi reactors 1, 2 and 3 that released radioactive substances have illuminated this design flaw. The U.S. has nuclear power plants with the Mark I design in Alabama, Georgia, Illinois, Iowa, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, Pennsylvania, and Vermont. Most are operating at or past their design life and most have recently received 20-year extensions of their operating license.

The Fukushima Daiichi power plant was supposedly designed to withstand extreme events such as earthquakes and tsunamis. It failed, and the success of efforts to prevent meltdowns at Fukushima Daiichi power plant, Tokai nuclear power plant, and Onagawa power plant have yet to be determined.

The NRC must review the ability of all nuclear power plants in the U.S. to withstand multiple simultaneous events that could wipe out entire redundancy systems. Plants on or near earthquake faults like San Onofre in Southern California and Perry on Lake Erie in Ohio are particularly vulnerable.

In the New York Times Monday, Michael W. Golay, professor of nuclear science and engineering at Massachusetts Institute of Technology, said, “Utilizing cost-benefit judgments, every nation with nuclear power has set the strongest earthquake that its nuclear plants must survive intact considerably below the level of the Japanese earthquake.” We must do better than

to rely on a safety standard which has demonstrated that it would bring us to the brink of a nuclear catastrophe.

Other ongoing safety issues at nuclear power plants in the U.S. pose risks similar to those at the Japanese nuclear power plants. Power outages or floods could cripple primary and secondary core cooling systems. Widespread fire protection deficiencies have not been rectified. Most nuclear power plants in the U.S. remain vulnerable to an intentional aircraft crash. Each of these vulnerabilities merits serious scrutiny.

Bringing our nuclear power plants up to a more suitable safety standard will be expensive. The new reality created by the Japanese nuclear reactors will force us to re-imagine what is possible and, therefore, what must be done. Professor Golay summarized the false choice that exists in the prevailing attitude about nuclear power safety options:

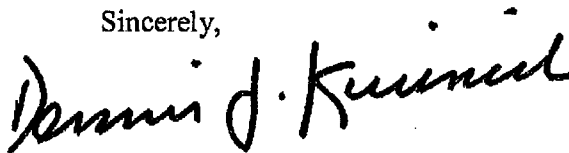
In considering the nuclear hazards of strong earthquakes, it's useful to note the results of a study, which I led from 2001 to 2004, for Tokyo Electric Power Company. The study addressed whether to devote resources to provide robust public protection from nuclear risks that could arise in the event of strong earthquakes or to focus such efforts and researches on the direct effects of the earthquake.

We concluded that any earthquake strong enough to damage the reactor, and thus expose the public to harmful radiation, would be much more dangerous to the public in its direct effects, and that it would be more beneficial to devote efforts and resources to general preparedness.

When the choice is between building a reactor that can survive a major earthquake and preparing the public for a major release, the latter wins. This a false choice about ways to direct scarce resources that facilitates profit for a select few, while placing enormous risks on the rest of us. If the citizens of the U.S. and the world cannot be adequately protected from the risks of nuclear power, then nuclear power should not continue to exist and we should turn to cleaner, safer alternatives.

If you have questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, reading "Dennis J. Kucinich". The signature is written in a cursive, flowing style.

Dennis J. Kucinich  
Member of Congress

---

**From:** McKelvin, Sheila  
**Sent:** Thursday, March 17, 2011 2:59 PM  
**To:** Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho; Batkin, Joshua  
**Cc:** Champ, Billie; Jaegers, Cathy; Clayton, Kathleen; Vietti-Cook, Annette; Mike, Linda  
**Subject:** Congressional Correspondence  
**Attachments:** (b)(5)

(b)(5)

**Sheila**



# United States Senate

WASHINGTON, DC 20510

March 16, 2011

The Honorable Gregory Jaczko  
Chairman  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Dear Chairman Jaczko:

The unfolding nuclear disaster in Japan has raised questions about the safety of nuclear power plants here in the U.S. As Senators from California, we are particularly interested in the safety of San Onofre Nuclear Generating Station, located in San Clemente, and the Diablo Canyon Nuclear Power Plant near San Luis Obispo, both of which are near earthquake faults.

Roughly 424,000 live within 50 miles of the Diablo Canyon and 7.4 million live within 50 miles of San Onofre Nuclear Generating Station. Although many safety measures have been taken to address potential hazards associated with these facilities, we need to ensure that the risk is fully evaluated.

For example, a 2008 California Energy Commission report presented very clear warnings of potential threats at both of these plants. This report found that the San Onofre plant could experience "larger and more frequent earthquakes" than the maximum 7.0 magnitude earthquake predicted when the plant was designed. It is our understanding that the NRC has not taken action to address these warnings in the report. It is also our understanding that the 2008 report found that there is an additional fault near the Diablo Canyon plant that should be taken into consideration as part of NRC's relicensing process. We want to know if the NRC will address all of the threats, including seismic threats, described in the 2008 report at these facilities.

We ask that the Nuclear Regulatory Commission (NRC) perform a thorough inspection at these two plants to evaluate their safety and emergency preparedness plans.

In addition, we ask the NRC to answer the questions below regarding plant design and operations, type of reactor, and preparedness to withstand an earthquake or tsunami and other potential threats.

### Plant Design and Operations

1. What changes to the design or operation of these facilities have improved safety at the plants since they began operating in the mid-1980s?
2. What emergency notification systems have been installed at California nuclear power plants? Has there ever been a lapse of these systems during previous earthquakes or emergencies?
3. What safety measures are in place to ensure continued power to California reactors in the event of an extended power failure?

### Type of Reactor

1. What are the differences and similarities between the reactors being used in California (pressurized water reactors) and those in Japan (boiling water reactors), as well as the facilities used to house the reactors, including the standards to which they were built and their ability to withstand natural and manmade disasters?

### Earthquakes and Tsunamis

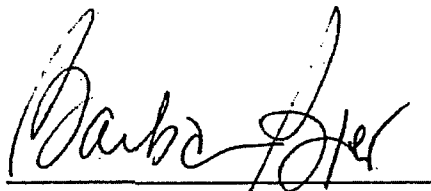
1. We have been told that both Diablo Canyon and San Onofre Nuclear Generating Station are designed to withstand the maximum credible threat at both plants, which we understand to be much less than the 9.0 earthquake that hit Japan. What assumptions have you made about the ability of both plants to withstand an earthquake or tsunami? Given the disaster in Japan, what are our options to provide these plants with a greater margin for safety?
2. Have new faults been discovered near Diablo Canyon or San Onofre Nuclear Generating Station since those plants began operations? If so, how have the plants been modified to account for the increased risk of an earthquake? How will the NRC consider information on ways to address risks posed by faults near these plants that is produced pursuant to state law or recommendations by state agencies during the NRC relicensing process?

3. What are the evacuation plans for both plants in the event of an emergency? We understand that Highway 1 is the main route out of San Luis Obispo, what is the plan for evacuation of the nearby population if an earthquake takes out portions of the highway and a nuclear emergency occurs simultaneously?
4. What is the NRC's role in monitoring radiation in the event of a nuclear accident both here and abroad? What is the role of EPA and other federal agencies?
5. What monitoring systems currently are in place to track potential impacts on the U.S., including California, associated with the events in Japan?
6. Which federal agency is leading the monitoring effort and which agencies have responsibility for assessing human health impacts? What impacts have occurred to date on the health or environment of the U.S. or are currently projected or modeled in connection with the events in Japan?
7. What contingency plans are in place to ensure that the American public is notified in the event that hazardous materials associated with the events in Japan pose an imminent threat to the U.S.?

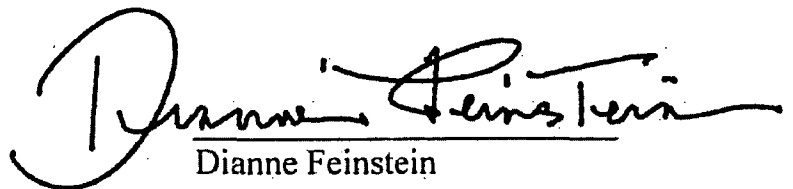
The NRC was created in the mid-1970s specifically to ensure the protection of public health and safety with regard to civilian nuclear power. The Commission plays an essential role ensuring that we learn from nuclear accidents and near misses. We hope you agree that we must identify whatever lessons are to be learned from the disaster in Japan in order to make facilities in the United States as safe as possible.

We look forward to working with you to ensure the safety of our nation's nuclear power plants and to make the changes necessary to ensure a nuclear tragedy does not occur in this country.

Sincerely,



Barbara Boxer



Dianne Feinstein

---

**From:** McKelvin, Sheila  
**Sent:** Thursday, March 17, 2011 2:55 PM  
**To:** Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Burbank, Patricia; Nieh, Ho; Batkin, Joshua  
**Cc:** Champ, Billie; Jaegers, Cathy; Clayton, Kathleen; Vietti-Cook, Annette; Mike, Linda  
**Subject:** Congressional Correspondence  
**Attachments:** (b)(5)

(b)(5)

Sheila

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**From:** Champ, Billie  
**Sent:** Thursday, March 17, 2011 2:41 PM  
**To:** Batkin, Joshua; Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho  
**Cc:** Vietti-Cook, Annette; Jaegers, Cathy; Clayton, Kathleen; McKelvin, Sheila  
**Subject:** Congressional Correspondence  
**Attachments:** (b)(5)

(b)(5)

**Billie A. C-Lopes**  
**March 17, 2011**

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**From:** Bloom, Steven  
**Sent:** Thursday, March 17, 2011 11:35 AM  
**To:** Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Ulses, Anthony; Trapp, James; Smith, Brooke; Foggie, Kirk  
**Cc:** Emche, Danielle  
**Subject:** Long Term Items for Japan

All,

I am working with Jack Ramsey to come up with what would be needed to support an NRC staff for 3 -6 months over in Japan. I came up with some of my own brainstorming thoughts which are below. Please look at my list and think of other items which you may think are necessary to support having members of the NRC over in Japan for about 3 to 6 months. Please send me back your ideas as soon as you can.

Computers and Printers  
Office Supplies  
Blackberry  
Phone Cards  
Foreign Power converters  
Extension Cords  
Radiation Devices  
Dosimeters  
Anti Cs  
Hard Hats

More Staff  
Passport support  
Contractors  
Translators

Analysts to evaluate event  
Severe Accident Analysts  
Reactor Physics Staff  
Research Staff

Money for effort

Easy way to convert dollars to Yen

Access to Medical Doctors  
Medicines

Hotel/Apartment arrangements  
Airlines

Thank you.

Steve

Steven Bloom, International Relations Specialist  
International Cooperation and Assistance Branch (ICA)  
301-415-2431  
O-4F4  
M/S O-4E21

---

**From:** Berger, Claire <BergerMC@state.gov>  
**Sent:** Thursday, March 17, 2011 11:11 AM  
**To:** JapanEmbassy, TaskForce; Alan Remick DOE; Aleshia Duncan; Amy Sink OFDA; Cook, William; Smith, Brooke; Cherry, Ronald C; Casto, Chuck; Damian Peko; Duncan, Aleshia D; Howard, E. Bruce; Foster, Jack; Trapp, James; James Trapp NRC; Joe Hughart HHS; Joe Hughart OFDA; Monninger, John; Foggie, Kirk; Mears, Jeremy M; Morales, Russell A; Nesheiwat, Julia; Devercelly, Richard; Russ Morales; Tamada, Yoshimi; Kolb, Timothy; Nakanishi, Tony; Ulses, Anthony; Uchida, Koichi  
**Subject:** FW: Embassy Nuclear Energy Team - email distribution list  
**Attachments:** Embassy Nuclear Energy Team

Please drag the icon into your own contacts list.  
Thank you.

Claire Berger

This email is UNCLASSIFIED.



---

**From:** Bowman, Gregory  
**Sent:** Thursday, March 17, 2011 9:15 AM  
**To:** Batkin, Joshua  
**Cc:** Monninger, John  
**Subject:** FYI - MACCS Code

**Importance:** High

John,

I understand from RES that the Chairman is interested in knowing whether the MACCS Code can be used to predict radiological effects from Japan in the U.S. RES has learned that MACCS can be used for distances up to 8,000 miles. We're currently working on having Sandia conduct some MACCS runs using an adjusted source term.

You may have already received this information, but RES wasn't sure and I figured I'd send, just in case. If you have any questions, please let me know.

Greg Bowman  
Executive Technical Assistant  
Office of the Executive Director for Operations  
U.S. Nuclear Regulatory Commission  
[gregory.bowman@nrc.gov](mailto:gregory.bowman@nrc.gov) | 301-415-2939 | O-16E24

---

**From:** Schaperow, Jason  
**To:** Gibson, Kathy  
**Cc:** Tinkler, Charles; Chang, Richard; Gonzalez, Sergio  
**Sent:** Thu Mar 17 08:38:52 2011  
**Subject:** RE: MACCS Code

Hi Kathy,

I spoke with Charlie at 10:00 last night. He said he checked and MACCS can calculate out to 8000 miles. We usually run it out to 1000 miles. Validation out beyond 30 miles or so gets to be questionable.

Yesterday, Sandia got source terms together for a MACCS calculation. We think we are now in pretty good shape for some MACCS calculations. However, it appears that our key MACCS expert (Nate Bixler) is on travel, possibly here in the DC area. Richard and I are tracking him down now, and should be able to find him once it is around 8:00 Mountain Time (Albuquerque).

Jason

---

**From:** Gonzalez, Sergio  
**Sent:** Thursday, March 17, 2011 8:29 AM  
**To:** Chang, Richard; Schaperow, Jason; Nosek, Andrew; Navarro, Carlos  
**Cc:** Santiago, Patricia  
**Subject:** MACCS Code

Good Morning:

Kathy wants to now by 8:30am

How far out can MACCS calculate? What is the limitation? Validation data?

Thanks,

Sergio E. Gonzalez

Program Manager (NSPDP), Special Projects Branch  
Division of Systems Analysis  
Office of Nuclear Regulatory Research  
Phone- 301-251-7453  
[Sergio.Gonzalez@nrc.gov](mailto:Sergio.Gonzalez@nrc.gov)

---

**From:** Monninger, John  
**Sent:** Thursday, March 17, 2011 8:45 AM  
**To:** (b)(6)  
**Subject:** RE: (b)(6) and other stuff

(b)(6)

---

**From:** (b)(6)  
**Sent:** Wednesday, March 16, 2011 9:43 AM  
**To:** Monninger, John  
**Subject:** usaa and other stuff

hi -

(b)(6)

---

**From:** McKelvin, Sheila  
**Sent:** Thursday, March 17, 2011 8:35 AM  
**To:** Batkin, Joshua; Monninger, John; Bradford, Anna; Sharkey, Jeffrey; Sosa, Belkys; Bubar, Patrice; Nieh, Ho  
**Cc:** Vietti-Cook, Annette; Jaegers, Cathy; Clayton, Kathleen; McKelvin, Sheila  
**Subject:** Incoming Congressional Correspondence  
**Attachments:** (b)(5)

(b)(5)

Sheila McKelvin, SECY

EARL BLUMENAUER  
THIRD DISTRICT, OREGON

COMMITTEE ON WAYS AND MEANS

SUBCOMMITTEES:

TRADE

SELECT REVENUE MEASURES

COMMITTEE ON BUDGET



**Congress of the United States**  
**House of Representatives**  
**Washington, DC 20515-3703**

March 16, 2011

WASHINGTON OFFICE:  
2267 RAYBURN BUILDING  
WASHINGTON, DC 20515  
(202) 225-4811  
FAX: (202) 225-8941

DISTRICT OFFICE:  
729 N.E. OREGON STREET  
SUITE 115  
PORTLAND, OR 97232  
(503) 231-2300  
FAX: (503) 230-5413

website: blumenauer.house.gov

Lisa Jackson  
Administrator  
Environmental Protection Agency  
US EPA Ariel Rios Building  
1200 Pennsylvania Ave, NW  
Washington, DC 20004

Gregory Jaczko  
Chairman  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852

Dear Administrator Jackson and Chairman Jaczko,

I write to inquire about the potential risk to U.S. West Coast communities from the explosions and release of radiation from the Fukushima Daiichi nuclear facility in Japan. In a region that is already breathing air pollution from China, my constituents are concerned about radiation contamination from the facility reaching the West Coast.

While a number of experts have indicated that contamination in the U.S. as a result of the Japanese catastrophe is unlikely, I would like to better understand the agencies' contingency plans and your plan for disseminating information to concerned citizens. At your earliest convenience, please respond to me with the following information:

- What is the U.S. Government doing to monitor radiation levels over the Pacific?
- What steps is the Government taking to plan for a scenario in which radiation is elevated to unsafe levels?
- How does the Government plan to provide information about this potential risk to citizens?

Thank you for your attention to this request. I look forward to being able to assure my constituents that the U.S. Government has a plan and to be able to tell them where they can find more information about the situation.

Sincerely,

Earl Blumenauer  
Member of Congress

---

**From:** 小幡 友一朗 <obatayuu@mod.go.jp>  
**Sent:** Thursday, March 17, 2011 7:58 AM  
**To:** Young, Joseph M  
**Cc:** Tokyo PolMil Unit; Toledo, Ana Y; Kimura, Ayako; Oikawa, Yufuko; Monninger, John; Huntington, Miki T LTC USA USFJ J54; USFJ-CAT-J5; 坂本 大祐; 佐藤 佳久  
**Subject:** Meeting tomorrow

Dear Young san,

Like I said, once the starting time is set, please let me know. I will pick up the delegation either at the main gate or lobby of Building A.

You can also contact me at my cellphone (b)(6)

Regards, Obata.

---

**From:** ANS.HOC@nrc.gov  
**Sent:** Thursday, March 17, 2011 7:06 AM  
**To:** Monninger, John  
**Subject:** ACTION: Commissioners Assistants Briefing Notification

The commissioner's Assistants Briefing has been changed from 0800 to 0730 on 03/17/11. Call (b)(6) approximately 5 minutes before the scheduled time. When prompted, enter the security code (b)(6) followed by the # sign.

---

**From:** ANS.HOC@nrc.gov  
**Sent:** Thursday, March 17, 2011 7:01 AM  
**Subject:** ACTION: Commissioners Assistants Briefing Notification

The commissioner's Assistants Briefing has been changed from 0800 to 0730 on 03/17/11. Call (b)(6) approximately 5 minutes before the scheduled time. When prompted, enter the security code (b)(6) followed by the # sign.



---

**From:** Batkin, Joshua  
**Sent:** Thursday, March 17, 2011 6:35 AM  
**To:** Monninger, John  
**Subject:** Re: Hey

Sorry john. I got a couple hours sleep. Available if you want to talk.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Thu Mar 17 01:12:19 2011  
Subject: Re: Hey

Can I give you a call.  
John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Sent: Thu Mar 17 01:08:48 2011  
Subject: Hey

You ok John? Not sure you can appreciate how important what you are doing is, but thank you for today. Stay safe.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** ANS.HOC@nrc.gov  
**Sent:** Thursday, March 17, 2011 6:22 AM  
**To:** Monninger, John  
**Subject:** ACTION: Commissioners Assistants Briefing Notification

There will be a Commissioners Assistants Briefing given by the Executive Team at 0800 EST on March 17, 2011 concerning the nuclear events in Japan. Call (b)(6) approximately 5 minutes before the scheduled start time. When prompted, enter the security code (b)(6) #, repeat (b)(6) #. Please respond to the voice prompts indicating whether you plan to participate in the briefing.

---

**From:** ANS.HOC@nrc.gov  
**Sent:** Thursday, March 17, 2011 6:15 AM  
**Subject:** ACTION: Commissioners Assistants Briefing Notification

There will be a Commisioners Assistants Briefing given by the Executive Team at 0800 EST on March 17, 2011 concerning the nuclear events in Japan. Call (b)(6) approximately 5 minutes before the scheduled start time. When prompted, enter the security code (b)(6) #, repeat (b)(6) #. Please respond to the voice prompts indicating whether you plan to participate in the briefing.

---

**From:** LIA07 Hoc  
**Sent:** Thursday, March 17, 2011 6:03 AM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** 0600 Status Update and 0600 Talking Points Two Pager  
**Attachments:** Talking Points Two Pager. 031711. 0600 EDT.docx; USNRC Earthquake-Tsunami Update.031711.0600EDT.docx

Please find attached the latest status update and two-pager. Please let me know if you have any changes you would like or if there are any errors.

Thank you,

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[james.anderson@nrc.gov](mailto:james.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

---

**From:** Smith, Brooke  
**Sent:** Thursday, March 17, 2011 3:35 AM  
**To:** Monninger, John; Kolb, Timothy  
**Subject:** Fw: NRC requests MDAO help

Have you been in contact with MDAO?

Sent from an NRC Blackberry.  
Brooke G. Smith

(b)(6)

---

**From:** LIA10 Hoc  
**To:** (b)(6)  
**Cc:** LIA08 Hoc; LIA02 Hoc; LIA03 Hoc; Smith, Brooke; Foggie, Kirk; Kolb, Timothy  
**Sent:** Thu Mar 17 03:22:33 2011  
**Subject:** NRC requests MDAO help

Dear Mr Kato,

I am at the Nuclear Regulatory Commission's operations center in Maryland. They would like to make sure their 11-person NRC team now at Embassy Tokyo gets in touch with MDAO, as they will need logistical support and assistance in locating and acquiring equipment and supplies to support emergency response.

Copied above are Ms Smith, Ms Foggie and Mr Kolb of the NRC team now in Tokyo.

Many thanks,  
Paul Hersey

---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Thursday, March 17, 2011 2:36 AM  
**To:** obatayuu@mod.go.jp  
**Cc:** Tokyo PolMil Unit; Toledo, Ana Y; Kimura, Ayako; Oikawa, Yufuko; Monninger, John; Huntington, Miki T LTC USA USFJ J54; USFJ-CAT-J5  
**Subject:** FW: Simul International: Interpreter for NRC

Obata-san: Below is the additional information on the interpreter. Also, we would like to add one more NRC representative. His particulars are as follows:

Timothy Kolb  
Senior Reactor Engineer  
U.S. Nuclear Regulatory Commission

Mail Stop: 0-7-613  
Washington DC 20555-0001

Office: 301-415-1428

Cell: (b)(6)

Home: (b)(6)

DOB: (b)(6)

Hope this additional official will be okay.

Joe Young  
Political-Military Unit Chief  
U.S. Embassy, Tokyo  
03-3224-5338

---

**From:** Tanabe, Yuko  
**Sent:** Thursday, March 17, 2011 3:30 PM  
**To:** Young, Joseph M  
**Subject:** Simul International

Mr. Young,

The interpreter's name is Ms. Yoshimi Nishimura, she is dispatched by Simul International Co., Ltd. which we have Blanket Purchase Agreement (BPA) with.

Simul International< /o:p>  
1-12-6 Tsukiji,  
Chuo-ku, Tokyo  
105-0001

If you need more information please let me know.  
Yuko Tanabe

This email is UNCLASSIFIED.

---

**From:** LIA07 Hoc  
**Sent:** Thursday, March 17, 2011 2:18 AM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** Supplies List

Please send the list of requested supplies to this email address. We will make sure that it gets to the appropriate places.  
Thanks,  
Sara



---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Thursday, March 17, 2011 2:05 AM  
**To:** Cherry, Ronald C  
**Cc:** Monninger, John; Tanaka, Rodney CIV MDAO; Tanaka, Rodney S  
**Subject:** FW: further information for NRC rep

Ron: Can Damien get back to me on the classification of the interpreter?  
Thanks,

Joe Young  
Political-Military Unit Chief  
U.S. Embassy, Tokyo  
03-3224-5338

-----Original Message-----

From: 小幡 友一朗 [mailto:obatayuu@mod.go.jp]  
Sent: Thursday, March 17, 2011 2:53 PM  
To: Young, Joseph M; Morales, Russell A  
Cc: john.monninger@nrc.gov; jin.lim@dtra.gov; Tokyo PolMil Unit; Kimura, Ayako; Oikawa, Yufuko; Miyazaki, Yumiko; 坂本 大祐; 佐藤 佳久  
Subject: RE: further information for NRC rep

Young san,

Thank you very much for your information.

I will convey your message to Major Sato, who is in charge of this.  
Also if you can tell me the classification of an interpreter in advance, that would help facilitate the procedure.

Regards, Obata.

> -----Original Message-----

> From: Young, Joseph M [mailto:YoungJM@state.gov]  
> Sent: Thursday, March 17, 2011 2:41 PM  
> To: 小幡 友一朗; Morales, Russell A  
> Cc: john.monninger@nrc.gov; jin.lim@dtra.gov; Tokyo PolMil Unit;  
> Kimura, Ayako; Oikawa, Yufuko; Miyazaki, Yumiko  
> Subject: further information for NRC rep  
>  
> Obata-san: Mr. Monninger's date of birth is (b)(6) Also,  
> we understand that you have a Defense Threat Reduction Agency (DTRA)  
> representative at MOD right now. His name is Jin Lim, but I don't  
> have his personal details. We were thinking that it would be good if Mr. Monninger and Mr.  
> Lim could work together at MOD, since they would have the nuclear and  
> technical/logistical expertise, respectively. We are also still  
> working on finding an interpreter, and I will get back to you shortly on that.

>  
>  
>  
> Joe Young  
>  
> Political-Military Unit Chief  
>  
> U.S. Em bassy, Tokyo  
>  
> 03-3224-5338  
>  
>

---

**From:** Young, Joseph M <YoungJM@state.gov>  
**Sent:** Thursday, March 17, 2011 1:57 AM  
**To:** Young, Joseph M; obatayuu@mod.go.jp; Morales, Russell A; Huntington, Miki T LTC  
USA USFJ J54; USFJ-CAT-J5  
**Cc:** Monninger, John; jin.lim@dtra.gov; Tokyo PolMil Unit; Kimura, Ayako; Oikawa, Yufuko;  
Tanaka, Rodney CIV MDAO; Tanaka, Rodney S  
**Subject:** RE: further information for NRC rep

Obata-san: We'll be providing information on the interpreter shortly, but I also would like Rod Tanaka, Deputy Chief of the Mutual Defense Assistance Office (MDAO), to accompany Mr. Monninger. He would be there initially as the Embassy's representative to make sure everything is okay with Mr. Monninger's situation and would be free to go once arrangements are in place. His DOB is (b)(6)

(b)(6) Many thanks again for all your help.

Joe Young  
Political-Military Unit Chief  
U.S. Embassy, Tokyo  
03-3224-5338

---

**From:** Young, Joseph M  
**Sent:** Thursday, March 17, 2011 2:41 PM  
**To:** 'obatayuu@mod.go.jp'; Morales, Russell A  
**Cc:** 'john.monninger@nrc.gov'; 'jin.lim@dtra.gov'; Tokyo PolMil Unit; Kimura, Ayako; Oikawa, Yufuko; Miyazaki, Yumiko  
**Subject:** further information for NRC rep

Obata-san: Mr. Monninger's date of birth is (b)(6). Also, we understand that you have a Defense Threat Reduction Agency (DTRA) representative at MOD right now. His name is Jin Lim, but I don't have his personal details. We were thinking that it would be good if Mr. Monninger and Mr. Lim could work together at MOD, since they would have the nuclear and technical/logistical expertise, respectively. We are also still working on finding an interpreter, and I will get back to you shortly on that.

Joe Young  
Political-Military Unit Chief  
U.S. Embassy, Tokyo  
03-3224-5338

---

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Thursday, March 17, 2011 1:42 AM  
**To:** Tanabe, Yuko; Damian.Peko@Nuclear.Energy.gov  
**Cc:** cobrown@ofda.gov; asink@ofda.gov; Monninger, John  
**Subject:** RE: Additional interpreter for NRC team

Tanabe-san,

Thank you very much.

Damian, Please advise GSO of when/where the interpreter should go to support at MOD.

Thanks.

Ron

This email is UNCLASSIFIED-----Original Message-----

From: Tanabe, Yuko  
Sent: Thursday, March 17, 2011 1:39 PM  
To: Cherry, Ronald C  
Cc: 'cobrown@ofda.gov'; 'asink@ofda.gov'  
Subject: FW: Additional interpreter for NRC team

Mr. Cherry,

Simul arranged an interpreter (Ms. Yoshimi Nishimura). Will you please advise when, where, and whom to report.

Yuko Tanabe

This email is UNCLASSIFIED

-----Original Message-----

From: Lampel, Michael D  
Sent: Thursday, March 17, 2011 1:20 PM  
To: 'asink@ofda.gov'  
Cc: Cherry, Ronald C; 'cobrown@ofda.gov'; Tanabe, Yuko; Yamazaki, Ryozi X  
Subject: Re: Additional interpreter for NRC team

Amy- when and where? I am copying Tanabe-san as I am working AMCIT convoy buses issue currently. -M

----- Original Message -----

From: Amy Sink <asink@ofda.gov>  
To: Lampel, Michael D  
Cc: Cherry, Ronald C; Brown, Courtney <cobrown@ofda.gov>  
Sent: Thu Mar 17 00:11:29 2011  
Subject: Fw: Additional interpreter for NRC team

Mike, I my haste I got your address wrong. Pls see note below on interpreters.

Ron-i am doing a helo assessment up country so please work directly with GSO in my absence. GSO has our fund cite info.

Amy

----- Original Message -----

From: Cherry, Ronald C <CherryRC@state.gov>

To: Amy Sink; chuck.casto@nrc.gov <chuck.casto@nrc.gov>

Cc: aleshia.duncan@nuclear.energy.gov <aleshia.duncan@nuclear.energy.gov>; lelandmd@state.gov <lelandmd@state.gov>; john.monninger@nrc.gov <john.monninger@nrc.gov>

Sent: Wed Mar 16 23:46:00 2011

Subject: Re: Additional interpreter for NRC team

Amy, Mike --

NRC needs another dedicated interpreter to support a an NRC staffer who will be assigned to MOD. This is in addition to the interpreters requested below.

Thanks very much.

Ron

This has been sent from my Blackberry

----- Original Message -----

From: Amy Sink <asink@ofda.gov>

To: Cherry, Ronald C; chuck.casto@nrc.gov <chuck.casto@nrc.gov>

Cc: aleshia.duncan@nuclear.energy.gov <aleshia.duncan@nuclear.energy.gov>; lelandmd@state.gov <lelandmd@state.gov>

Sent: Wed Mar 16 22:27:36 2011

Subject: Re: Interpreters for NRC team

Mike-FYI for NRC team interpreter needs. I am off-site for a couple of hours.

Amy

----- Original Message -----

From: Cherry, Ronald C <CherryRC@state.gov>

To: Amy Sink; chuck.casto@nrc.gov <chuck.casto@nrc.gov>

Cc: aleshia.duncan@nuclear.energy.gov <aleshia.duncan@nuclear.energy.gov>

Sent: Wed Mar 16 22:19:26 2011

Subject: Interpreters for NRC team

Amy,

The NRC team has asked for 5 interpreters -- 2 each for 2 day shifts plus 1 for the night shift.

Please let me know if there's any question.

Thanks very much.

Ron

This has been sent from my Blackberry

---

**From:** 小幡 友一朗 <obatayuu@mod.go.jp>  
**Sent:** Thursday, March 17, 2011 1:25 AM  
**To:** Young, Joseph M  
**Cc:** Kimura, Ayako; Toledo, Ana Y; Tokyo PolMil Unit; Oikawa, Yufuko; Monninger, John; 坂本 大祐; 佐藤 佳久  
**Subject:** RE: information on John Monninger

Thank you very much!

We will move forward the document while we wait for information for additional personnel.

Regards, Obata.

> -----Original Message-----  
> From: Young, Joseph M [mailto:YoungJM@state.gov]  
> Sent: Thursday, March 17, 2011 2:09 PM  
> To: 小幡 友一朗  
> Cc: Kimura, Ayako; Toledo, Ana Y; Tokyo PolMil Unit; Oikawa, Yufuko;  
> john.monninger@nrc.gov  
> Subject: information on John Monninger  
>  
> Obata-san: Thanks for your phone call. Here's information about John  
> Monninger, the person who will be with you at MOD.  
>  
>  
>  
> John Monninger  
>  
> Deputy Chief of Staff  
>  
> Office of Chairman Gregory B. Jaczko  
>  
> United States Nuclear Regulatory Commission  
>  
>  
>  
> Mail Stop: 0-16-64  
>  
> Washington DC 20555-0001  
>  
>  
>  
> e-mail: [john.monninger@nrc.gov](mailto:john.monninger@nrc.gov)  
>  
>  
>  
> office: 301-415-1750  
>

> cell (b)(6)  
>  
> 301-415-3504  
>  
>  
>  
> I will let you know if I get information on an interpreter. Hope to  
> make all this happen starting this afternoon.  
>  
> Regards,  
>  
>  
>  
> Joe Young  
>  
> Political-Military Unit Chief  
>  
> U.S. Embassy, Tokyo  
>  
> 03-3224-5338  
>  
>



---

**From:** Devercelly, Richard  
**Sent:** Thursday, March 17, 2011 12:48 AM  
**To:** rst01hoc@nrc.gov; Ulses, Anthony; Casto, Chuck; Trapp, James; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Foggie, Kirk; Smith, Brooke  
**Subject:** FW: (5) Pumps originating in Sasebo are on the ground at Fukushima!

The latest below indicates that DOD has delivered the pumps to the site.

---

From: Corbett, Eric M Capt USMC USFJ J01A (b)(6)  
Sent: Thursday, March 17, 2011 12:04 AM  
To: Devercelly, Richard  
Cc: USFJ-CAT-ALL; Sexton, Neil CDR SRF S100; Robinson, Alexis M CTR DTRA  
Subject: (5) Pumps originating in Sasebo are on the ground at Fukushima!

Sir, got confirmation from our LNO at the JSO, CDR Fliss that the (5) pumps from Sasebo via Yokota, as aforementioned, arrived at Fukushima at 1130 this morning.

Sincerely and Respectfully

Capt Eric M. Corbett  
Special Projects - USFJ-CAT  
DSN: (315) 225-5333 or 4469  
Commercial: 011-81-3117-55-5333/4469  
Home Phone: (b)(6)  
Cellular Phone: (b)(6)  
NIPR: (b)(6)  
SIPR: (b)(6)  
USFJ-CAT (b)(6)

-----Original Message-----

From: Devercelly, Richard [mailto:Richard.Devercelly@nrc.gov]  
Sent: Thursday, March 17, 2011 12:27 PM  
To: Corbett, Eric M Capt USMC USFJ J01A  
Subject: RE: ESSM Procurement

Thank You Captain. Alex Robinsons e-mail address is apparently incorrect.  
Please forward the attachment to him and cc me.

---

From: Corbett, Eric M Capt USMC USFJ J01A (b)(6)]  
Sent: Wednesday, March 16, 2011 11:17 PM  
To: Manders, Bill CDR SRF XO  
Cc: Devercelly, Richard  
Subject: RE: ESSM Procurement

For your clarification. This is what the capabilities of these pumps are

Respectfully Submitted,

Capt Eric M. Corbett

-----Original Message-----

From: Manders, Bill CDR SRF XO [mailto:(b)(6)]  
Sent: Thursday, March 17, 2011 9:48 AM  
To: Corbett, Eric M Capt USMC USFJ J01A  
Subject: FW: ESSM Procurement

FYSA

V/R,

CDR Bill Manders  
Deputy Commander SRF-JRMC Yokosuka  
CTF 70 SURFMO  
DSN: 315-243-2736  
Comm: 011-81-46-816-2736

(b)(6)

-----Original Message-----

From: Manders, Bill CDR SRF XO  
Sent: Thursday, March 17, 2011 9:47 AM  
To: Neu, Charles R LCDR SRF 500; Piburn, James CAPT (C7F N4); 'C7F Tomodachi Logistics'  
Subject: FW: ESSM Procurement

Sirs,

FYI. This is WRT the Emergency pumps we sent from Sasebo to Yokota FFT north.

V/R,

CDR Bill Manders  
Deputy Commander SRF-JRMC Yokosuka  
CTF 70 SURFMO  
DSN: 315-243-2736  
Comm: 011-81-46-816-2736

(b)(6)

-----Original Message-----

From: Sexton, Neil CDR SRF S100  
Sent: Thursday, March 17, 2011 8:02 AM  
To: Fulkerson, Charles CIV SRF S350; Stancy, Steven L CAPT SRF CO  
Cc: Manders, Bill CDR SRF XO; Farman, Garrett J CDR SRF 300  
Subject: RE: ESSM Procurement

CAPT, the systems sent are ready for operation -- just add diesel. However, only 750' of hose was sent (all we had). Rqmt was for 1600'. NAVSEA has shipped 1100' of hose w/ EDD to Yokota on 3/18.

EOC in Yokota and others are informed.

V/r,

Very Respectfully,

CDR Neil Sexton

SRF-JRMC Detachment Sasebo OIC

Cell: (b)(6)

DSN (315)-252-2801

From CONUS: 011-81-956-50-2801

-----Original Message-----

From: Fulkerson, Charles CIV SRF S350

Sent: Thursday, March 17, 2011 7:21 AM

To: Stancy, Steven L CAPT SRF CO

Cc: Sexton, Neil CDR SRF S100

Subject: RE: ESSM Procurement

Capt

We broke the equip out on Tues. and confirmed what pieces were required to make up the systems using the ESSM catalog and it was loaded on the truck in sets Wed Morn.

V/R

Ron

C.R.Fulkerson

SRF-JRMC Sasebo s350

DSN: 252-3280

(b)(6)

-----Original Message-----

From: Stancy, Steven L CAPT SRF CO

Sent: Wednesday, March 16, 2011 9:53 PM

To: (b)(6)

Cc: (b)(6)

(b)(6)

Subject: RE: ESSM Procurement

Ron,

Greetings, and thanks for making this happen in Sasebo.

Please confirm that these are complete systems with no additional parts except for fuel (i.e., lube oil already added, etc.).

R/

CAPT Stancy

-----Original Message-----

From: Fulkerson, Charles CIV SRF S350

Sent: Wednesday, March 16, 2011 6:33 PM

To: 'Thiel, Richard A CIV NAVSEA, SEA 00C'; (b)(6)

Cc: Stancy, Steven L CAPT SRF CO; McLean, Robert A CAPT NAVFAC Far East; Keenan, Patrick J Jr CAPT NAVSEA, SEA 00C; Dean, Michael S CIV NAVSEA, SEA 00C; Herb, Michael CIV NAVSEA, SEA 00C; Hayes, Shaun P LT SEA 00 00C; Southworth, George T LCDR SEA 00 00C; Sexton, Neil CDR SRF S100 (b)(6)

(b)(6); Miller, Michael NDCM(MDV) SRF 338; (b)(6); Rotan, Matthew F CW03 EODGRU 1; Shepard, Anthony R NDCS MDSU-1, MDV; Roat, Troy M CWO2 MOBDIVSALU ONE, CO 1-4; Helmkamp, Mark T CAPT MSFSC, N43D; Coffelt, John M NDCS MSFSC, N43D; Ryan, John P LCDR MOBDIVSALVU 1, XO;

(b)(6)  
(b)(6); NAVSEA OPCEN; Brown, Cinda LCDR SRF S300; Fegley, Don CTR NAVSEA, SEA 00C

Subject: RE: ESSM Procurement

Rick

The following items were issued today from ESSM Japan 1. 2 ea 6 inch Hyd.

Sub. Salvage Pump Sys 18000

2. 2 ea 6 inch Hyd. Sub. Pump Sys 18900

3. 1 ea Work Station PW0204

4. 2 ea fuel tanks TK0045

5. 2 ea Tripods PU0284

6. 2 ea POL Hoses Aux set for PU0280

7. 1 ea Jetting PUMP PU0230

8. 1 ea Ancillary Set PU0232

V/R

Ron

C.R.Fulkerson

SRF-JRMC Sasebo s350

DSN: 252-3280

(b)(6)

-----Original Message-----

From: Thiel, Richard A CIV NAVSEA, SEA 00C [mailto:(b)(6)]

Sent: Tuesday, March 15, 2011 7:02 PM

To: (b)(6); Fulkerson, Charles CIV SRF S350

Cc: Stancy, Steven L CAPT SRF CO; McLean, Robert A CAPT NAVFAC Far East; Keenan, Patrick J Jr CAPT NAVSEA, SEA 00C; Dean, Michael S CIV NAVSEA, SEA 00C; Herb, Michael CIV NAVSEA, SEA 00C; Hayes, Shaun P LT SEA 00 00C; Southworth, George T LCDR SEA 00 00C; Sexton, Neil CDR SRF S100; (b)(6)

(b)(6) Miller, Michael NDCM(MDV) SRF 338 (b)(6); Rotan, Matthew F CW03 EODGRU 1; Shepard, Anthony R NDCS MDSU-1, MDV; Roat, Troy M CWO2 MOBDIVSALU ONE, CO 1-4; Helmkamp, Mark T CAPT MSFSC, N43D; Coffelt, John M NDCS MSFSC, N43D; Ryan, John P LCDR MOBDIVSALVU 1, XO;

(b)(6)

(b)(6) NAVSEA OPCEN; Fegley, Don CTR NAVSEA, SEA 00C

Subject: Re: ESSM Procurement

LT Sweat,

Release of ESSM Pumping Systems: S18000-2 ea ,and S18900-2 ea is authorized from the ESSM Facility Sasebo, Japan.

The following condition apply, pls provide at earliest opportunity.

Follow-up the email request with a formal request via Naval Msg or Letter to COMNAVSEASYS COM WASHINGTON DC//00C//. Coordinate movement of requested material with Ron Fulkerson, DSN: 252-3280, to ensure material is shipped to the proper location. Identify Activity or Agency responsible for the custody and operation of the equipment. Personnel operating ESSM equipment shall be trained in the safe and proper use of the equipment (such as MDSU1). If trained personnel are not available, then ESSM personnel can be provided.

ESSM is a GOCO program, funding will be needed to cover the labor and per diem of the operators. I can be reach at the numbers listed below for additional discussion. Additional equipment can be review at the SUPSALV website: [www.supsalv.org/essm/](http://www.supsalv.org/essm/)

Ron,

Pls coordinate with LT Sweat (SUBGRU 7) to arrange for shipping of the requested material, TAC listed below. Prior to shipping, the systems will need to be prep'd: batteries charged, fluid levels checked, engines started, etc... Keep ALCON updated on the status of the equipment. Prepare 1149 to document material custody transfer of equipment.

v/r,

Rick Thiel

ESSM Salvage PM, Code 00C21

Naval Sea Systems Command (SEA 00C)

Supervisor of Salvage and Diving

Director of Ocean Engineering

1333 Isaac Hull Ave SE

Washington Navy Yard, DC 20376-1072

Office: (202) 781-2155

Fax: (202) 781-4588

Cel: (b)(6)

DSN: (312) 326-2155

SIPRNet: (b)(6)

web site: [www.supsalv.org](http://www.supsalv.org)

----- Original Message -----

From: [REDACTED] (b)(6)  
To: Thiel, Richard A CIV NAVSEA, SEA 00C  
Sent: Tue Mar 15 05:07:57 2011  
Subject: FW: ESSM Procurement

Sir,

Request you release the pumps that are held in Sasebo, Capt Holbrook will arrange transportation from Sasebo.

V/r

Tyheem Sweat  
LT, SC, USN  
Supply Officer, COMSUBGRU 7  
DSN: 315-243-7723  
Cell: [REDACTED] (b)(6)  
Email: [REDACTED] (b)(6)  
SIPR: [REDACTED]

-----Original Message-----

From: Sweat, Tyheem LTJG USN CSG7  
Sent: Tuesday, March 15, 2011 9:18 AM  
To: Thiel, Richard A CIV NAVSEA, SEA 00C  
Subject: RE: ESSM Procurement

Sir,

Thank you for the update.

V/r  
LT Sweat

-----Original Message-----

From: Thiel, Richard A CIV NAVSEA, SEA 00C [mailto:[REDACTED] (b)(6)]  
Sent: Tuesday, March 15, 2011 9:09 AM  
To: Sweat, Tyheem LTJG USN CSG7; Fulkerson, Charles CIV SRF S350; Chansipaeng, Sonthaya LCDR USN NAVFACFE  
Cc: Stancy, Steven L CAPT SRF CO; McLean, Robert A. CAPT USN NAVFACFE; Keenan, Patrick J Jr CAPT NAVSEA, SEA 00C;  
Dean, Michael S CIV NAVSEA, SEA 00C; Sexton, Neil CDR SRF S100; Herb, Michael CIV NAVSEA, SEA 00C; Saner, Lloyd L;  
Shadow, Paul K.; Pricola, Mike L.; Castrence, Dante G.; Johnson, Jimmy; Glosby, Leslie E. CDR USN CLWP; Peterson,  
Derek LCDR USN CLWP; Miller, Michael  
NDCM(MDV) SRF 338; Klukas, Jon SCPO USN CLWP; Rotan, Matthew F CW03 EODGRU 1 ; Shepard, Anthony R NDCS  
MDSU-1, MDV; Roat, Troy M CWO2 MOBDIVSALU ONE, CO 1-4; Helmkamp, Mark T CAPT MSFSC, N43D; Coffelt, John M  
NDCS MSFSC, N43D; Ryan, John P LCDR MOBDIVSALVU 1, XO; Hayes, Shaun P LT SEA 00 00C; Southworth, George T  
LCDR SEA 00 00C  
Subject: RE: ESSM Procurement

LCDR Chansipaeng/LT Sweat,

Per phonecon, holding release of material. When final determination is made that the ESSM system are needed, pls beware of the following:

Pls follow-up a verbal or email request with a formal request via Naval Msg or Letter to COMNAVSEASYS COM WASHINGTON DC//00C//. Pls coordinate movement of requested material with Ron Fulkerson, DSN: 252-3280, to ensure material is shipped to the proper location. Pls identify Activity or Agency responsible for the custody and operation of the equipment. Personnel operating ESSM equipment shall be trained in the safe and proper use of the equipment (such as MDSU1). If trained personnel are not available, then ESSM personnel can be provided. ESSM is a GOCO program, funding will be needed to cover the labor and per diem of the operators. I can be reach at the numbers listed below for additional discussion. Additional equipment can be review at the SUPSALV website: [www.supsalv.org/essm/](http://www.supsalv.org/essm/)

Ron,

Pls coordinate with LT Sweat (SUBGRU 7) to arrange for shipping of the requested material, TAC listed below. Prior to shipping, the systems will need to be prep'd: batteries charged, fluid levels checked, engines started, etc... Keep ALCON updated on the status of the equipment. Prepare 1149 to document material custody transfer of equipment.

v/r,

Rick Thiel  
ESSM Salvage PM, Code 00C21

Naval Sea Systems Command (SEA 00C)  
Supervisor of Salvage and Diving  
Director of Ocean Engineering  
1333 Isaac Hull Ave SE  
Washington Navy Yard, DC 20376-1072  
Office: (202) 781-2155  
Fax: (202) 781-4588  
Cel: (b)(6)  
DSN: (312) 326-2155  
SIPRNet: (b)(6)  
web site: [www.supsalv.org](http://www.supsalv.org)

-----Original Message-----

From: Herb, Michael CIV NAVSEA, SEA 00C

Sent: Monday, March 14, 2011 19:02

To: (b)(6); Thiel, Richard A CIV NAVSEA, SEA 00C

Cc: (b)(6); McLean, Robert A CAPT NAVFAC Far East; Keenan, Patrick J Jr CAPT NAVSEA, SEA 00C;

Dean, Michael S CIV NAVSEA, SEA 00C; (b)(6)

Subject: Re: ESSM Procurement

Rick, make it so as discussed once log and operator plan and resp confirmed.

Mike  
Mike Herb  
Dir, Salvage Operations  
USN Supervisor of Salvage  
202-781-2736  
cell- (b)(6)

----- Original Message -----

From: (b)(6)  
To: Thiel, Richard A CIV NAVSEA, SEA 00C  
Cc: (b)(6); McLean, Robert A CAPT NAVFAC Far East; Herb, Michael CIV NAVSEA, SEA 00C; Keenan, Patrick J Jr CAPT NAVSEA, SEA 00C; Dean, Michael S CIV NAVSEA, SEA 00C;  
(b)(6)

Sent: Mon Mar 14 18:50:47 2011  
Subject: RE: ESSM Procurement

Mr. Thiel,

Request the release of 2 NAVSEA OOC salvage (Emergency Ship Salvage Material - ESSM) SYS# S18900 ESSM PU0290. Request you charge all shipping to TAC NHBF. If funding is required a line of accounting will be provided from CSG 7 if either system is damaged.

V/r

Tyheem Sweat  
LT, SC, USN  
Supply Officer, COMSUBGRU 7  
DSN: 315-243-7723  
Cell: (b)(6)  
Email: (b)(6)  
SIPR: (b)(6)

-----Original Message-----

From: Thiel, Richard A CIV NAVSEA, SEA 00C [mailto:(b)(6)]

Sent: Tuesday, March 15, 2011 7:39 AM  
To: Sweat, Tyheem LTJG USN CSG7  
Cc: Stancy, Steven L CAPT SRF CO; McLean, Robert A. CAPT USN NAVFACFE; Herb, Michael CIV NAVSEA, SEA 00C; Keenan, Patrick J Jr CAPT NAVSEA, SEA 00C; Dean, Michael S CIV NAVSEA, SEA 00C  
Subject: ESSM Procurement

LT Sweat,

I have attached the ESSM Material Issue Guidance. Pls review and then we can discuss. We can release with a verbal from authorized commander. POC in the AOR is Ron Fulkerson, see attached e-mail. FYI, systems have been sitting in warehouse for at least one year, they need to be prep'd prior to shipping.

v/r,



Rick Thiel  
ESSM Salvage PM, Code 00C21

Naval Sea Systems Command (SEA 00C)  
Supervisor of Salvage and Diving  
Director of Ocean Engineering  
1333 Isaac Hull Ave SE  
Washington Navy Yard, DC 20376-1072  
Office: (202) 781-2155  
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Cel: (b)(6)  
DSN: (312) 326-2155  
SIPRNet: (b)(6)  
web site: [www.supsalv.org](http://www.supsalv.org)

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**From:** Cherry, Ronald C <CherryRC@state.gov>  
**Sent:** Wednesday, March 16, 2011 11:46 PM  
**To:** asink@ofda.gov; Casto, Chuck  
**Cc:** aleshia.duncan@nuclear.energy.gov; lelandmd@state.gov; Monninger, John  
**Subject:** Re: Additional interpreter for NRC team

Amy, Mike --

NRC needs another dedicated interpreter to support a an NRC staffer who will be assigned to MOD. This is in addition to the interpreters requested below.

Thanks very much.

Ron  
This has been sent from my Blackberry

----- Original Message -----

**From:** Amy Sink <asink@ofda.gov>  
**To:** Cherry, Ronald C; chuck.casto@nrc.gov <chuck.casto@nrc.gov>  
**Cc:** aleshia.duncan@nuclear.energy.gov <aleshia.duncan@nuclear.energy.gov>; lelandmd@state.gov <lelandmd@state.gov>  
**Sent:** Wed Mar 16 22:27:36 2011  
**Subject:** Re: Interpreters for NRC team

Mike-FYI for NRC team interpreter needs. I am off-site for a couple of hours.

Amy

----- Original Message -----

**From:** Cherry, Ronald C <CherryRC@state.gov>  
**To:** Amy Sink; chuck.casto@nrc.gov <chuck.casto@nrc.gov>  
**Cc:** aleshia.duncan@nuclear.energy.gov <aleshia.duncan@nuclear.energy.gov>  
**Sent:** Wed Mar 16 22:19:26 2011  
**Subject:** Interpreters for NRC team

Amy,

The NRC team has asked for 5 interpreters -- 2 each for 2 day shifts plus 1 for the night shift.

Please let me know if there's any question.

Thanks very much.

Ron  
This has been sent from my Blackberry

---

**From:** LIA07 Hoc  
**Sent:** Wednesday, March 16, 2011 11:08 PM  
**To:** Cook, William; Smith, Brooke; Casto, Chuck; Devercelly, Richard; Foggie, Kirk; Foster, Jack; (b)(6); Kolb, Timothy; Monninger, John; Nakanishi, Tony; Ulses, Anthony  
**Subject:** RE: Two Pager - Please Review

Thank you very very much!  
-Sara

---

**From:** Cook, William  
**Sent:** Wednesday, March 16, 2011 10:59 PM  
**To:** Smith, Brooke; LIA07 Hoc; Casto, Chuck; Devercelly, Richard; Foggie, Kirk; Foster, Jack; (b)(6); Kolb, Timothy; Monninger, John; Nakanishi, Tony; Ulses, Anthony  
**Subject:** RE: Two Pager - Please Review

Please find attached a revision to the two pager. We have limited availability to facility status, but provided the best available info in the revision. Sorry for the delay in turn-around of the document.

Bill Cook

---

**From:** Smith, Brooke  
**Sent:** Wednesday, March 16, 2011 7:21 PM  
**To:** LIA07 Hoc; Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; (b)(6); Kolb, Timothy; Monninger, John; Nakanishi, Tony; Ulses, Anthony  
**Subject:** Re: Two Pager - Please Review

Will do once we get lap tops up and running. We are working off of BB right now.

Sent from an NRC Blackberry.  
Brooke G. Smith

(b)(6)

---

**From:** LIA07 Hoc  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; (b)(6); Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Sent:** Wed Mar 16 19:15:54 2011  
**Subject:** Two Pager - Please Review

The ET has requested that someone on your team please review this and mark it up as necessary. We want to make sure that we are capturing accurate information. Edits can be sent back to me or if it is easier, you can call in and we can walk through the document.

Thank you very much!  
-Sara

NRC "Talking Points" – Current as of March 17, 2011, 11:45 JST

Reactor Status

- Fukushima Daiichi Units 1 - 6

Unit 1

- Core damage occurred due to insufficient cooling water caused by loss of offsite power and onsite diesel generators following the tsunami
- As of 2200 JST (0900 EDT) on March 14, it is reported that sea water is being injected with reported stable cooling
- Containment described as "functional"
- Hydrogen explosion from overheated fuel-water reaction has damaged reactor building (secondary containment)
- The spent fuel pool level is unknown
- High radiation levels reduced to 600  $\mu$ Sv/hour (60 mrem/hour) at 0200 EDT on March 15, 2011, at site gate. (Site gate is same for each unit.)
- Core cooling is via the core spray header.

Unit 2

- Core damage occurred due to insufficient cooling water caused by loss of offsite power and onsite diesel generators following the tsunami
- Reactor Core Isolation Cooling (RCIC) has failed
- Secondary containment: Cut hole in the side of the reactor building superstructure to reduce likelihood of hydrogen gas buildup
- Sea water injection restarted with core cooling reported as not stable
- Primary containment is intact
- High radiation levels reduced to 600  $\mu$ Sv/hour (60 mrem/hour) at 0200 EDT on March 15, 2011, at site gate. (Site gate is same for each unit.)
- The spent fuel pool level is unknown. Some water is available as evidenced by steam emanating from hole.

Unit 3

- Core damage due to insufficient cooling water caused by loss of offsite power and onsite diesel generators following the tsunami
- Sea water is being injected with reported stable cooling
- Hydrogen explosion from overheated fuel-water reaction has severely damaged reactor building (secondary containment)
- Primary containment described as "functional"
- The spent fuel pool level is possibly drained – some evidence of steam.
- High radiation levels reduced to 600  $\mu$ Sv/hour (60 mrem/hour) at 0200 EDT on March 15, 2011, at site gate. (Site gate is same for each unit.)

Unit 4

- Unit was in a refueling outage at the time of the event and core was off loaded to the SFP
- First fire in the reactor building was a small generator lube oil fire. IAEA reports that fire was put out at 2200 EDT, March 14.
- High radiation levels reduced to 600  $\mu$ Sv/hour (60 mrem/hour) at 0200 EDT on March 15, 2011, at site gate. (Site gate is same for each unit.)
- Second fire began at 1645 EDT, March 15, 2011 in reactor building. Fuel reported to be uncovered.
- Radiation level outside Unit 4 reported to be 30R/hour following second fire.
- High radiation dose rates measured between Units 3 and 4, source is suspected to be the partially uncovered Unit 4 spent fuel pool.
- The spent fuel pool's ability to retain water is in doubt, no steam – likely dry.

#### Unit 5

- The reactor is defueled.
- Spent fuel pool is reported to be heating up.
- A/C power available from Unit 6 diesel generator.

#### Unit 6

- The reactor is defueled.
- Spent fuel pool is reported to be heating up.
- A/C power available from diesel generator.

#### Other Japanese Nuclear Sites:

- Fukushima Daiichi Units 1 - 4: As of 7:15 am on March 15 (Japan), Tepco press release reports reactors in cold shutdown and offsite power available.
- Onagawa Units 1 - 3: shutdown, stable, turbine building basement fire extinguished.
- Kashiwazaki Kariwa Nuclear Power Station (Advanced Reactors): Units 1, 5, 6, 7: normal operation / Units 2 to 4: regular outage

#### Protective Action Recommendations

- For Fukushima Daiichi site, Japanese national government issued a protective action recommendation that instructed evacuation for local residents within a 20km radius of the site boundary and sheltering in place out to 30km for residents who stayed behind
- Japan has imposed no-fly zone (30km radius, altitude unlimited) over Daiichi plants.
- A RASCAL run at 06:54AM (EDT) on March 16, 2011 for hypothetical combined core based on the following assumptions: Units 2 & 3 each, 33% core melt & no containment; Unit 4, full core offload 100% melt in the Spent Fuel Pool (SFP) with no roof; wind direction from West Northwest blowing out to the ocean. Results: PAG exceeded at 50 miles (80.5 km) with TEDE of 24.0 rem, and CDE thyroid of 130 rem.

#### Meteorological Conditions:

As of 1100 EDT, March 16, wind direction is from the West and wind speed is between 10-20 mph. This wind direction not expected to change significantly until the next front comes through over the weekend.

#### General Talking Points

- Based upon the degrading situation at the Daiichi plant, the US NRC recommends that Americans within 50 miles of the Daiichi plant to evacuate the area.
- 6.1 Aftershock near Hamaoka: no damage to reactors
  - 5 reactors: 2 are decommissioned; 1 shutdown; 2 operating
- TEPCO and US Forces in Japan (USFJ) are working together to allocate firefighting and heavy equipment capable of pumping seawater from the ocean into containment.
  - A list of additional equipment to provide for accident mitigation has been developed by NRC and provided to USAID.
  - Four portable pumps due to arrive at the Daiichi facility Thursday afternoon from Yokota Air Force Base.
- Disaster Assistance Response Team arrived Sunday:
  - 11 NRC staff are in Tokyo with the Ambassador and getting information from Japanese officials.
- NRC continues to develop projections of the accident's progression, dose estimates and Q&As, including those addressing the safety of reactors in operation in the US.
- Government of Japan has accepted US offer to conduct aerial/ground monitoring and also requested potassium iodide tablets. DOE Aerial Measurement Teams are expected to fly over the Daiichi site on March 17 at around 0900 local time (2000 EDT).

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- The NRC has been asked to provide recommendations for solutions to the spent fuel pool issues during conference call with NISA and TEPCO.
- On 3/17/11, 11:30am JST, DOE was conducting fixed wing and helicopter fly-overs to obtain photographs and radiological data.

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---

**From:** Bloom, Steven  
**Sent:** Wednesday, March 16, 2011 10:54 PM  
**To:** Monninger, John  
**Subject:** RE: New question

Please send to RST01hoc email account..

---

From: Monninger, John  
Sent: Wednesday, March 16, 2011 10:11 PM  
To: RST01 Hoc; Ruland, William; Bloom, Steven  
Subject: Re: New question

We were not able to arrange having hdqtrs on the meeting. They did say next meeting that will happen.  
John Monninger

(b)(6)

----- Original Message -----

From: RST01 Hoc  
To: Monninger, John  
Sent: Wed Mar 16 20:29:54 2011  
Subject: RE: New question

John,

Yes Bill Ruland is very interested in the call. Please call into RST for call if you can get TEPCO to talk to us.

Thank you  
Steve

-----Original Message-----

From: Monninger, John  
Sent: Wednesday, March 16, 2011 6:55 PM  
To: Ruland, William; RST01 Hoc  
Subject: Fw: New question

See below on equipment. They also mentioned needing installers and operators.

John Monninger

(b)(6)

----- Original Message -----

From: Doane, Margaret  
To: Casto, Chuck; Monninger, John  
Cc: Foggie, Kirk; Mamish, Nader  
Sent: Wed Mar 16 13:45:17 2011  
Subject: Re: New question

FYI-NRC went ahead and passed on to US industry a request for installers and operators, assuming that they can't use equip. without this additional assistance. Not sure if there will be any help.  
Margie

Sent from an NRC Blackberry  
Margaret Doane

----- Original Message -----

From: Doane, Margaret  
To: Casto, Chuck; Monninger, John  
Cc: Foggie, Kirk  
Sent: Wed Mar 16 12:07:47 2011  
Subject: New question

Can you help us understand another request. We've been asked for installers and operators from the US in addition to the equipment. If we do not agree to give the installers and operators for obvious health concerns, is the equipment of any use to them? Maybe looking at it another way, is this equip. installation and operation universal, or so different from Jap. equip, that they can't know what to do with it.  
Margie

Sent from an NRC Blackberry  
Margaret Doane



---

**From:** Bloom, Steven  
**Sent:** Wednesday, March 16, 2011 10:49 PM  
**To:** Monninger, John  
**Subject:** FW: New question

John,

Bill Ruland wanted to know the below answers.

Steve

---

**From:** Bloom, Steven  
**Sent:** Wednesday, March 16, 2011 10:16 PM  
**To:** Monninger, John  
**Subject:** RE: New question

John,

Did you find out status of equipment. Was it brought on site or is it enroute.

Steve

---

**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 10:11 PM  
**To:** RST01 Hoc; Ruland, William; Bloom, Steven  
**Subject:** Re: New question

We were not able to arrange having hdqtrs on the meeting. They did say next meeting that will happen.

John Monninger

(b)(6)

----- Original Message -----

**From:** RST01 Hoc  
**To:** Monninger, John  
**Sent:** Wed Mar 16 20:29:54 2011  
**Subject:** RE: New question

John,

Yes Bill Ruland is very interested in the call. Please call into RST for call if you can get TEPCO to talk to us.

Thank you  
Steve

-----Original Message-----  
**From:** Monninger, John

Sent: Wednesday, March 16, 2011 6:55 PM  
To: Ruland, William; RST01 Hoc  
Subject: Fw: New question

See below on equipment. They also mentioned needing installers and operators.  
John Monninger

(b)(6)

----- Original Message -----

From: Doane, Margaret  
To: Casto, Chuck; Monninger, John  
Cc: Foggie, Kirk; Mamish, Nader  
Sent: Wed Mar 16 13:45:17 2011  
Subject: Re: New question

FYI-NRC went ahead and passed on to US industry a request for installers and operators, assuming that they can't use equip. without this additional assistance. Not sure if there will be any help.  
Mergie

Sent from an NRC Blackberry  
Margaret Doane

----- Original Message -----

From: Doane, Margaret  
To: Casto, Chuck; Monninger, John  
Cc: Foggie, Kirk  
Sent: Wed Mar 16 12:07:47 2011  
Subject: New question

Can you help us understand another request. We've been asked for installers and operators from the US in addition to the equipment. If we do not agree to give the installers and operators for obvious health concerns, is the equipment of any use to them? Maybe looking at it another way, is this equip. installation and operation universal, or so different from Jap. equip, that they can't know what to do with it.  
Mergie

Sent from an NRC Blackberry  
Margaret Doane

---

**From:** Devercelly, Richard  
**Sent:** Wednesday, March 16, 2011 10:42 PM  
**To:** Smith, Brooke; Casto, Chuck; Cook, William; Foggie, Kirk; Foster, Jack;  
(b)(6) Kolb, Timothy; Monninger, John; Nakanishi, Tony;  
Ulises, Anthony  
**Cc:** (b)(6)  
**Subject:** DOD-DTRA contacts

Good Morning:

The cc addresses above are direct contacts at DTRA that are supporting the pump deliveries to Fukushima. Briefly, Capt. Corbett statussed the pumps to be delivered to the site between 1200 and 1300 today. The delivery includes:

Two 1500 to 2000 gpm low head pumps at 25 to 50 psig for oceanside.

750 feet of 6 inch line

a tank for building side

3 high head lower volume jet pumps for building side.

All power is diesel fueled

He has an additional 100 feet of line being requested for delivery.

He expressed a concern for adequate diesel fuel supply and portable power lamps for operation.

Rick DeVercelly

---

**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 10:18 PM  
**To:** Kolb, Timothy; Devercelly, Richard; Nakanishi, Tony  
**Subject:** Fw: SFP Boiloff Calculations  
**Attachments:** SFP Boiloff.doc  
  
**Importance:** High

John Monninger

|        |
|--------|
| (b)(6) |
|--------|

---

**From:** RST01 Hoc  
**To:** Casto, Chuck; Trapp, James; Monninger, John  
**Sent:** Wed Mar 16 22:03:56 2011  
**Subject:** SFP Boiloff Calculations

3/16/2011 (22:00 EDT)

Estimate time for boil-dry times for a typical spent fuel pool

Source: RTM Table D-1 (see figure below)

- Assumptions: (1) Full core recently discharged (see red box in figure)  
(2) 100 days after shutdown (full core unloaded)  
(3) constant decay heat at 100 days on  
(4) Neglect sensible heating from the table (~ 10 hr)  
(5) No water loss from the pool thru leaks, water spillage, explosion, etc.

Time since accident = ~ 5 days

Time to boiloff (Table D-1) = 164 hr = 6.8 days

Assuming pool at 100% 5 days ago and it takes 6.8 days to boil off, after 5 days about 75% (5/6.8) of water has boiled off with 25% remaining.

Time to boil-off remaining 25% =  $0.25 \times 164 \text{ hr} = 40 \text{ hrs}$  => this is the maximum time left considering assumption 5 above.

*Section D: Spent Fuel Pool Damage and Consequence Assessment*

**Table D-1. Heatup and boil-dry times for a typical spent fuel pool**

| Days after shutdown* | One-third of core recently discharged + 20 years of accumulated discharges |                             |                                     | Full core recently discharged + 20 years of accumulated discharges |                             |                                     |
|----------------------|----------------------------------------------------------------------------|-----------------------------|-------------------------------------|--------------------------------------------------------------------|-----------------------------|-------------------------------------|
|                      | Time to heat from 125°F to 212°F* (h)                                      | Time to boil off water* (h) | Water to make up boil-off (gal/min) | Time to heat from 150°F to 212°F* (h)                              | Time to boil off water* (h) | Water to make up boil-off (gal/min) |
| 5                    | 11.2                                                                       | 125.0                       | 31.9                                | 3.1                                                                | 49.3                        | 81.0                                |
| 10                   | 13.9                                                                       | 154.9                       | 25.8                                | 4.1                                                                | 63.8                        | 62.6                                |
| 30                   | 19.0                                                                       | 212.2                       | 18.8                                | 6.1                                                                | 95.8                        | 41.7                                |
| 45                   | 21.8                                                                       | 242.3                       | 16.4                                | 7.4                                                                | 115.5                       | 34.5                                |
| 65                   | 24.3                                                                       | 270.4                       | 14.8                                | 8.6                                                                | 135.2                       | 29.5                                |
| 100                  | 27.5                                                                       | 306.5                       | 13.0                                | 10.5                                                               | 164.2                       | 24.3                                |
| 150                  | 32.0                                                                       | 357.1                       | 11.2                                | 13.6                                                               | 212.6                       | 18.8                                |
| 200                  | 35.1                                                                       | 391.2                       | 10.2                                | 16.1                                                               | 251.9                       | 15.8                                |
| 250                  | 37.2                                                                       | 414.5                       | 9.6                                 | 18.1                                                               | 282.6                       | 14.1                                |
| 300                  | 38.4                                                                       | 428.3                       | 9.3                                 | 19.3                                                               | 302.4                       | 13.2                                |
| 350                  | 39.2                                                                       | 437.5                       | 9.1                                 | 20.2                                                               | 316.6                       | 12.6                                |
| 365                  | 39.3                                                                       | 438.6                       | 9.1                                 | 20.4                                                               | 318.4                       | 12.5                                |

Days after shutdown of core recently discharged.

\*52°C to 100°C.

To drain the pool.

Source: NUREG-1353.

---

**From:** RST01 Hoc  
**Sent:** Wednesday, March 16, 2011 10:16 PM  
**To:** Monninger, John  
**Subject:** RE: Notification of pumps at Yokota

John,

All the equipment below was shipped to the site, correct? We are just looking for the exact position. Thanks.

---

**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 10:09 PM  
**To:** Ruland, William; Bloom, Steven; RST01 Hoc; Kolb, Timothy  
**Subject:** Fw: Notification of pumps at Yokota

See below on equipment at US AFB in Japan.

John Monninger

(b)(6)

---

**From:** Duncan, Aleshia D <DuncanAD@state.gov>  
**To:** Monninger, John  
**Sent:** Wed Mar 16 21:18:20 2011  
**Subject:** FW: Notification of pumps at Yokota

John,

My apologies. I sent this and didn't spell your email address correctly.

Aleshia

This email is UNCLASSIFIED.

---

**From:** Duncan, Aleshia D  
**Sent:** Thursday, March 17, 2011 10:14 AM  
**To:** JapanEmbassy, TaskForce  
**Cc:** Cherry, Ronald C; Tong, Kurt W; Duncan, Aleshia; 'John.Monnining@nrc.gov'; Basalla, Suzanne I; Fuller, Matthew G; Zumwalt, James P; 'jmt1@nrc.gov'; 'anthony.uls@nrc.gov'  
**Subject:** Notification of pumps at Yokota

This email requires no action. It provides a communal record of the existence of a set of assets below which are at Yokota Air Force Base available for delivery to support Japanese nuclear relief efforts.

This list was provided by John Monninger, NRC.

4 submersible pumps (1800gpm, 6")  
1 500qpm diesel driven pump@150psi  
Contact: Commander L. Glosby leslie.glosby@navy.mil

This email is UNCLASSIFIED.

---

**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 10:14 PM  
**To:** (b)(6)  
**Subject:** Re: please reply - are you ok ? (b)(6)

(b)(6)  
John Monninger  
(b)(6)

---

**From:** (b)(6)  
**To:** Monninger, John  
**Sent:** Wed Mar 16 22:11:25 2011  
**Subject:** please reply - are you ok ? (b)(6)



---

**From:** RST01 Hoc  
**Sent:** Wednesday, March 16, 2011 10:04 PM  
**To:** Casto, Chuck; Trapp, James; Monninger, John  
**Subject:** SFP Boiloff Calculations  
**Attachments:** SFP Boiloff.doc  
  
**Importance:** High

---

**From:** Bradford, Anna  
**Sent:** Wednesday, March 16, 2011 7:58 PM  
**To:** Monninger, John  
**Subject:** Just checking in

Everyone here is concerned about you – everything ok?

Anna Bradford  
Policy Advisor for Nuclear Materials  
Office of Chairman Jaczko  
U.S. Nuclear Regulatory Commission  
301-415-1827

---

**From:** LIA07 Hoc  
**Sent:** Wednesday, March 16, 2011 7:14 PM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** USNRC Earthquake-Tsunami Update.031611.1900EDT.docx  
**Attachments:** USNRC Earthquake-Tsunami Update.031611.1900EDT.docx

Latest status update. Please let me know if there any errors.

Thank you,  
Sara

---

**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 6:49 PM  
**To:** Ruland, William; RST01 Hoc  
**Subject:** Fw: Reconfirmation on Pumping Matter

See below. We need to work on coordinating all the equipment.  
John Monninger

(b)(6)

----- Original Message -----

From: Trapp, James  
To: Monninger, John; Casto, Chuck  
Sent: Wed Mar 16 18:43:31 2011  
Subject: Fw: Reconfirmation on Pumping Matter

----- Original Message -----

From: Duong, Tamanh Q LCDR USN USFJ J4 (b)(6)  
To: j3cat2nd <j3cat2nd@jso.mod.go.jp>; Trapp, James  
Sent: Wed Mar 16 11:02:38 2011  
Subject: FW: Reconfirmation on Pumping Matter

fysa

-----Original Message-----

From: Duong, Tamanh Q LCDR USN USFJ J4 On Behalf Of USFJ-CAT-J4  
Sent: Wednesday, March 16, 2011 11:54 PM  
To: 'NAGANO YUTO'; USFJ-CAT-J5; USFJ-CAT-CHIEF; USFJ-CAT-J4; USFJ-CAT-AIR; Status of U.S. Forces Agreement Division; WADA ATSURO; OYAGI SAYO; IYOTA MITSUHIKO; TAKAHASHI JUN; NAGANO MASAMITSU; TAKAZAWA YOSHINORI; McDaniel, Everett K COL USA USFJ J4  
Cc: Corbett, Eric M Capt USMC USFJ J01A; Tribble, Rod W CDR USN USFJ J4; USFJ-RCEM-J42; USFJ-JLOC-J43; USFJ-CAT-J5; USFJ-CAT-CHIEF  
Subject: RE: Reconfirmation on Pumping Matter

Nagano-San:

Yokosuka pumps: The two pumps received from Yokosuka this morning has been returned to Yokosuka because TEPCO engineer did not want it after inspecting the pumps. They are no longer at Yokota AB.

CFA Sasebo pumps: A total of five pumps delivered to Yokota AB from CFA Sasebo around 2250 hrs. Offloading as we speak. Also coordinating for pick up from JGSDF and training of TEPCO engineers around 0200 hrs on 17 Mar.

Thanks!

V/R

Tamanh

TamAnh Q. Duong, P.E., MBA  
USFJ-CAT-J4 Watch Officer (0700-1900)  
Operation Tomadachi  
DSN: (315) 225-4110, FAX: x6743  
Commercial (CONUS) 011-81-3117-55-4110  
Commercial (JAPAN) 03117-55-4110  
NIPR: (b)(6)  
SIPR: (b)(6)

-----Original Message-----

From: NAGANO YUTO [mailto:yuto.nagano@mofa.go.jp]  
Sent: Wednesday, March 16, 2011 11:42 PM  
To: USFJ-CAT-J5; USFJ-CAT-CHIEF; USFJ-CAT-J4; USFJ-CAT-AIR; Status of U.S. Forces Agreement Division; WADA ATSURO; OYAGI SAYO; IYOTA MITSUHIKO; TAKAHASHI JUN; NAGANO MASAMITSU; TAKAZAWA YOSHINORI  
Subject: Reconfirmation on Pumping Matter

For the clarification on the pumping matter;

1. 2 Pumps in Yokota
  - (1) These pumps come from Yokosuka, and right now in the Yokota.
  - (2) And, these pumps have been already checked by TEPCO.
2. 4 Pumps from Kyushu
  - (1) These pumps has just been arrived in YAB at 2250hours.
  - (2) Specification of these pumps has been given by J5.
3. 1 Pump located in Yokota
  - (1) This pump can produce bigger power than above 2.
  - (2) though do not know anything about this, we heard so.

Is this all clear?

Yuto@MOFA

#####

長野 悠人 : Yuto NAGANO (Mr.)

外務省北米局日米地位協定室

Status of U.S. Forces Agreement Division, North American Affairs Bureau, Ministry of Foreign Affairs.

Tel: (+81)-(0)3-5501-8000 (Ex: 5364)

Fax: (+81)-(0)3-5501-8281

Email: [yuto.nagano@mofa.go.jp](mailto:yuto.nagano@mofa.go.jp)

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**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 6:37 PM  
**To:** RST01 Hoc; Ruland, William  
**Subject:** Fw: Sketch of Temp SF Pumping System  
**Attachments:** Temp Spent Fuel Pumping System.pdf

See below.

John Monninger

(b)(6)

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**From:** RST01 Hoc  
**To:** Kolb, Timothy; Casto, Chuck; Cook, William; Nakanishi, Tony; Foster, Jack; Trapp, James; Monninger, John; Smith, Brooke; Foggie, Kirk; Ulses, Anthony  
**Cc:** RST01 Hoc  
**Sent:** Wed Mar 16 12:19:59 2011  
**Subject:** Sketch of Temp SF Pumping System

FYI:

Japan Gov Request for Pumping Assets to cool fuel pool.

Requested 4 trains of mobile pumps including the following

- 4 each Diesel Sea Water Suction pump with Strainer.
- 4 each Diesel Booster Pumps.
- 4 each Diesel Spray Pumps. 100m Length 50m High
- Provide approximately 500 gpm water flow to Fukushima Daiichi Spent Fuel Pools.
- Diesel Fuel tanks and Fuel to support pump trains.
- 500 meters of Piping for 2 trains.
- 700 meters of Piping for 2 trains.
- People to assist in assembly of trains
- 20,000 # or more Boron

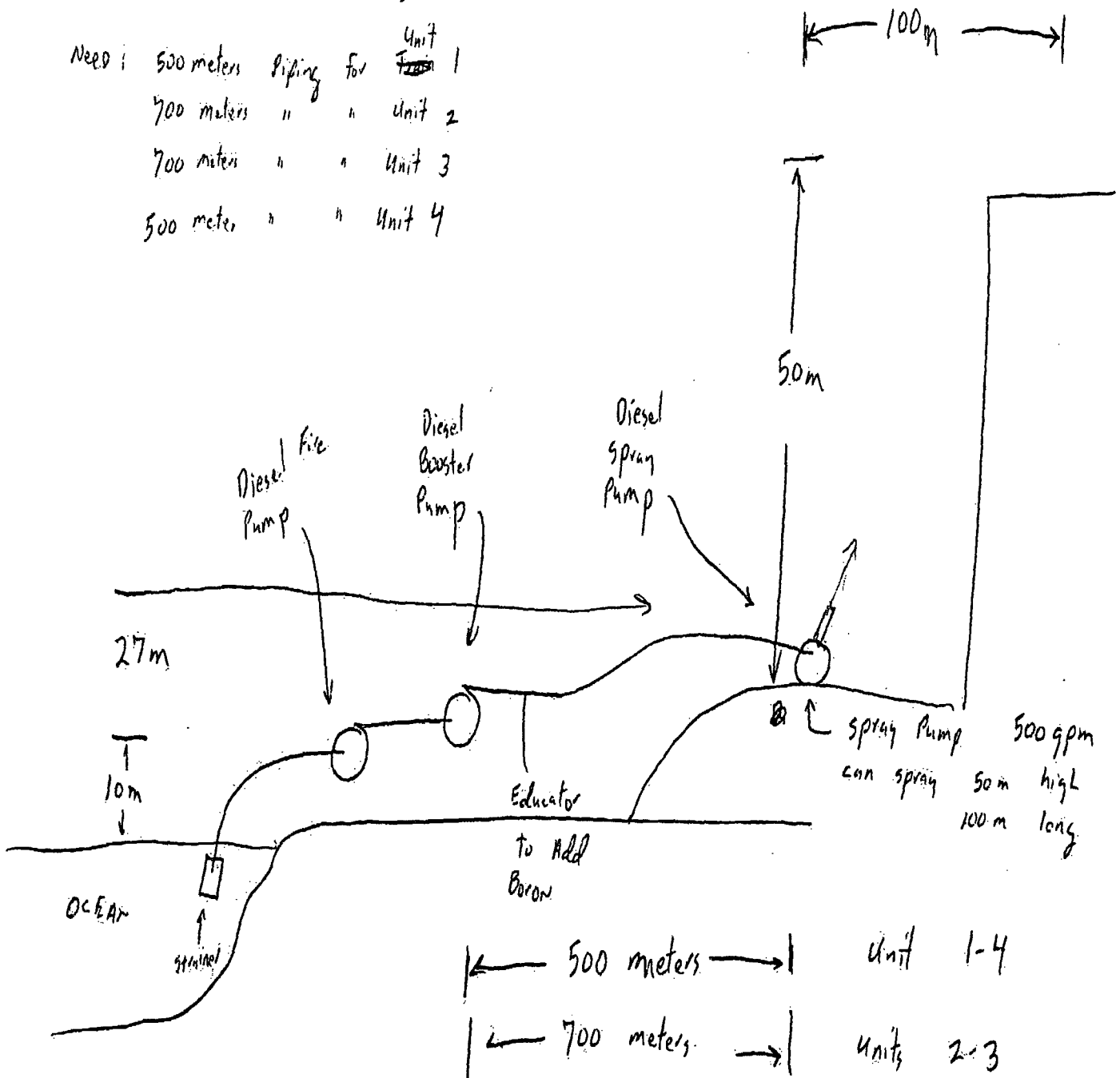
Back-up Systems including

- 4 Pumper Trucks

Would also like Robots for High Rad work with camera capability.

4 TRAINS needed (Example shown is one  
TRAIN)

Need: 500 meters piping for Unit 1  
700 meters " " Unit 2  
700 meters " " Unit 3  
500 meter " " Unit 4



Also need Diesel Trucks

Robots which can enter a high Radiation  
Field

(b)(6)

CP 3184 of 3505

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**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 6:36 PM  
**To:** Ruland, William; RST01 Hoc  
**Subject:** Fw: Additional Equipment Needs for Fukushima

Bill

See below on the equipment.

John Monninger

(b)(6)

----- Original Message -----

From: Duong, Tamanh Q LCDR USN USFJ J4 <(b)(6)>

To: Williams, Joseph

Cc: (b)(6)

(b)(6)

Sent: Wed Mar 16 12:29:46 2011

Subject: RE: Additional Equipment Needs for Fukushima

Mr. Williams

Copied. Any other technical details you can provide to the list below would be greatly appreciative. It would help to prime the TEPCO engineers and MOFA, in case they ask.

Thanks!

V/R

Tamanh

---

Tamanh Q. Duong, P.E., MBA

USFJ-CAT-J4 Watch Officer (0700-1900)

Operation Tomadachi

DSN: (315) 225-4110/4105, FAX: x6743

Commercial (CONUS) 011-81-3117-55-4110/4105 Commercial (JAPAN) 03117-55-4110/4105

NIPR: (b)(6)  
SIPR:

-----Original Message-----

From: Williams, Joseph [mailto:Joseph.Williams@nrc.gov]

Sent: Thursday, March 17, 2011 1:15 AM

To: Duong, Tamanh Q LCDR USN USFJ J4



Cc: RST01 Hoc; Casto, Chuck; Monninger, John  
Subject: Additional Equipment Needs for Fukushima  
Importance: High

Attached is the sketch of the pump and piping configuration discussed with you in our conference call a short time ago.

The equipment needed is summarized as follows:

Requested 4 trains of mobile pumps including the following

- 4 each Diesel Sea Water Suction pump with Strainer.
- 4 each Diesel Booster Pumps.
- 4 each Diesel Spray Pumps. 100m Length 50m High Provide approximately 500 gpm water flow to Fukushima Daiichi Spent Fuel Pools.
- Diesel Fuel tanks and Fuel to support pump trains.
- 500 meters of Piping for 2 trains.
- 700 meters of Piping for 2 trains.
- People to assist in assembly of trains
- 20,000 # or more Boron
- Back-up Systems including
- 4 Pumper Trucks
- Robots for High Rad work with camera capability.

Please contact the Reactor Safety Team by phone or at [rst01.hoc@nrc.gov](mailto:rst01.hoc@nrc.gov) if you have questions.

Joe Williams

Reactor Safety Team Communicator

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**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 6:04 PM  
**To:** Foggie, Kirk  
**Subject:** Re: Bring your laptop. I have the id and ps wrd (eom)

got it here. We really do need access to NRC hqtrs.

John Monninger

(b)(6)

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**From:** Foggie, Kirk  
**To:** Monninger, John  
**Sent:** Wed Mar 16 17:27:41 2011  
**Subject:** Bring your laptop. I have the id and ps wrd (eom)

---

**From:** LIA03 Hoc  
**Sent:** Wednesday, March 16, 2011 5:49 PM  
**To:** (b)(6) Ulises, Anthony; Casto, Chuck; Monninger, John;  
Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Foggie,  
Kirk; Smith, Brooke  
**Subject:** Note to Team

**Note to Team:**

OIP received a call from our counterparts with the Japan Ministry of Foreign Affairs. They are concerned about misconceptions resulting from translation issues. Their words were that they "shamefully realized translation errors." These errors led to misconceptions by NRC staff about events at the Fukushima facility Monday night. Please be aware that the Japanese may speak about events like they are actually happening, when those actions or events are things that may happen and therefore in translation may be misconstrued. Before we act on any information, we need to verify whether events are current or possible.

A Japanese speaker (Tony Nakanishi) is part of the NRC team in Japan. He needs to assist with translation in country, but we will still need to be aware of possible translation issues in the event Tony is not involved in the translation of information.

---

**From:** Smith, Brooke  
**Sent:** Wednesday, March 16, 2011 5:26 PM  
**To:** Casto, Chuck; Nakanishi, Tony; Foggie, Kirk; Monninger, John; Cook, William; Kolb, Timothy; Foster, (b)(6); Ulises, Anthony; Devercelly, Richard  
**Subject:** Re: Tomorrow Morning 3/17

Chuck - what do you want us to bring you?

Sent from an NRC Blackberry.

Brooke G. Smith

(b)(6)

----- Original Message -----

From: Casto, Chuck

To: Nakanishi, Tony; Smith, Brooke; Foggie, Kirk; Monninger, John; Cook, William; Kolb, Timothy; Foster, Jack; (b)(6); Ulises, Anthony; Devercelly, Richard

Sent: Wed Mar 16 17:25:18 2011

Subject: Re: Tomorrow Morning 3/17

Richard and I are in the conference room.

----- Original Message -----

From: Nakanishi, Tony

To: Smith, Brooke; Foggie, Kirk; Casto, Chuck; Monninger, John; Cook, William; Kolb, Timothy; Foster, Jack; (b)(6); Ulises, Anthony; Devercelly, Richard

Sent: Wed Mar 16 17:22:30 2011

Subject: Re: Tomorrow Morning 3/17

Tim and I are in the lobby waiting for john. We are planning to get something to eat at the embassy. We can wait for you a few minutes if you would like.

----- Original Message -----

From: Smith, Brooke

To: Foggie, Kirk; Casto, Chuck; Monninger, John; Cook, William; Kolb, Timothy; Foster, Jack; Nakanishi, Tony; (b)(6); Ulises, Anthony; Devercelly, Richard

Sent: Wed Mar 16 17:18:44 2011

Subject: Re: Tomorrow Morning 3/17

(b)(5)

Sent from an NRC Blackberry.

Brooke G. Smith

(b)(6)

----- Original Message -----

From: Foggie, Kirk

To: Casto, Chuck; Monninger, John; Cook, William; Kolb, Timothy; Foster, Jack; Smith, Brooke; Nakanishi, Tony;  
(b)(6); Ulses, Anthony; Devercelly, Richard

Sent: Wed Mar 16 11:46:47 2011

Subject: Tomorrow Morning 3/17

All,

Please be at the Embassy by 9 am tomorrow as we will have a busy morning filled with briefs and conference calls.

The first brief will be from Tony N. on his findings at the Prime Minister's EOF, then Brooke (and possibly Tony N.) need to leave for next iteration of that meeting.

Next, John M. will give an update on the second TEPCO meeting this evening, if necessary.

At 9:30 me and Tony U. will meet with NISA representatives and see if we can get some traction on a better line of communication.

Last, at 10:30 there will be a conference call with a DTRA team based in ?Yokasoto? Base in southern Japan to see if we are aware of some of the same findings.

Get some rest. You will need it for tomorrow.

Kirk

Sent from Blackberry.

---

**From:** Champ, Billie  
**Sent:** Wednesday, March 16, 2011 4:26 PM  
**To:** Batkin, Joshua; Monninger, John; Bradford, Anna; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho  
**Cc:** Vietti-Cook, Annette; Jaegers, Cathy; Clayton, Kathleen; McKelvin, Sheila  
**Subject:** Incoming Congressional Correspondence  
**Attachments:** (b)(5)

(b)(5)

**Billie A. C-Lopes**  
**March 16, 2011**

**DENNIS J. KUCINICH**  
10TH DISTRICT, OHIO

2445 RAYBURN HOUSE OFFICE BUILDING  
WASHINGTON, D.C. 20515  
(202) 225-5871

14400 DETROIT AVENUE  
LAKEWOOD, OHIO 44107  
(216) 228-8850

PARMATOWN MALL  
7904 DAY DRIVE  
PARMA, OH 44129  
(440) 845-2707



**Congress of the United States**  
**House of Representatives**

[www.kucinich.house.gov](http://www.kucinich.house.gov)

RANKING MEMBER  
SUBCOMMITTEE ON REGULATORY AFFAIRS,  
STIMULUS OVERSIGHT AND GOVERNMENT  
SPENDING

COMMITTEE ON OVERSIGHT AND  
GOVERNMENT REFORM

COMMITTEE ON EDUCATION AND THE  
WORKFORCE

March 16, 2011

The Honorable Gregory B. Jaczko  
Chairman  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Dear Chairman Jaczko:

As the situation in Japan forces us to reconsider our definition of "unlikely," I am writing to request a detailed description of the specific actions the NRC will take to ensure measures are taken to provide a level of protection of public health and the environment for all Americans that exceeds the level of protection provided at the failing Japanese nuclear power plants like Fukushima Daiichi. A briefing to Members of Congress in which you explain the actions should accompany the report.

Specific safety issues addressed should include, but not be limited to a history of plant operator malfeasance and/or ineptitude; the flaws in the Mark I reactor design; the risks posed by earthquakes and tsunamis, floods, power outages, fires and intentional aircraft crashes; and the specific criteria for revoking or denying a license to operate.

As the Ranking Member of the Subcommittee on Regulatory Affairs, Stimulus Oversight and Government Spending of the Committee on Oversight and Government Reform, I look forward to hearing how the NRC will act swiftly to learn important lessons from the tragedy in Japan.

Operators of nuclear power plants with demonstrated poor safety records should not be allowed to continue to put the public at risk. Though there are several examples of companies whose past performance has shown that they should not be operating a nuclear power plant, the story of Davis-Besse, operated by FirstEnergy Nuclear Operating Company (FirstEnergy) is instructive.

On June 9, 1985, FirstEnergy allowed a 12-minute interruption in the feedwater flow to the steam generators, which was cited as a "potential catastrophe." In 2002, Davis-Besse's reactor head corroded nearly all the way through because it was "weakened by years of neglect." A former NRC top safety official, Harold Denton, stated in 2004 that these two incidents represent the nuclear "industry's second and third-lowest points after Three Mile Island."

FirstEnergy's employees tried to conceal the truth about the 2002 incident from the NRC using "tricks, schemes, or devices . . . to deliberately mislead" the agency. David Uhlmann, chief of the Justice Department's environmental crimes section, said that FirstEnergy showed "brazen

arrogance” and “breached the public trust” by withholding information about the reactor head incident. Federal prosecutors described the reactor head incident “as one of the biggest cover-ups in U.S. nuclear history.”

FirstEnergy paid a record fine of \$33.45 million as a result of its actions. Of that amount, a record \$28 million was the fine that First Energy paid “to avoid being criminally prosecuted for lying to the government about the dangerous condition of Davis-Besse’s old reactor head,” according to then-U.S. Attorney Greg White in 2006.

The total fine was merely 1% of FirstEnergy’s profits in 2004. While these may have been record fines, they were a mere slap on the wrist for FirstEnergy, creating little incentive to protect the public. This conduct is the product of an inveterate, corrupt culture of long standing deceit and corner-cutting on safety. With such an abysmal record, they, and other nuclear power plant operating companies with poor performance records should not be allowed to continue to operate nuclear power plants.

As you know, I have repeatedly called for the denial of FirstEnergy’s application to continue to operate Davis-Besse beyond its designed life span. Until there is adequate accountability, incentives to place profits before safety will persist.

The Fukushima Daiichi plant that is currently considered to pose the greatest threat to human health uses the General Electric Mark I reactor design. The Mark I has been criticized by NRC staff and others for failing to perform one of its primary functions: containing radiation in the event of a problem with the reactor.

The three explosions at Daiichi reactors 1, 2 and 3 that released radioactive substances have illuminated this design flaw. The U.S. has nuclear power plants with the Mark I design in Alabama, Georgia, Illinois, Iowa, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, Pennsylvania, and Vermont. Most are operating at or past their design life and most have recently received 20-year extensions of their operating license.

The Fukushima Daiichi power plant was supposedly designed to withstand extreme events such as earthquakes and tsunamis. It failed, and the success of efforts to prevent meltdowns at Fukushima Daiichi power plant, Tokai nuclear power plant, and Onagawa power plant have yet to be determined.

The NRC must review the ability of all nuclear power plants in the U.S. to withstand multiple simultaneous events that could wipe out entire redundancy systems. Plants on or near earthquake faults like San Onofre in Southern California and Perry on Lake Erie in Ohio are particularly vulnerable.

In the New York Times Monday, Michael W. Golay, professor of nuclear science and engineering at Massachusetts Institute of Technology, said, “Utilizing cost-benefit judgments, every nation with nuclear power has set the strongest earthquake that its nuclear plants must survive intact considerably below the level of the Japanese earthquake.” We must do better than



to rely on a safety standard which has demonstrated that it would bring us to the brink of a nuclear catastrophe.

Other ongoing safety issues at nuclear power plants in the U.S. pose risks similar to those at the Japanese nuclear power plants. Power outages or floods could cripple primary and secondary core cooling systems. Widespread fire protection deficiencies have not been rectified. Most nuclear power plants in the U.S. remain vulnerable to an intentional aircraft crash. Each of these vulnerabilities merits serious scrutiny.

Bringing our nuclear power plants up to a more suitable safety standard will be expensive. The new reality created by the Japanese nuclear reactors will force us to re-imagine what is possible and, therefore, what must be done. Professor Golay summarized the false choice that exists in the prevailing attitude about nuclear power safety options:

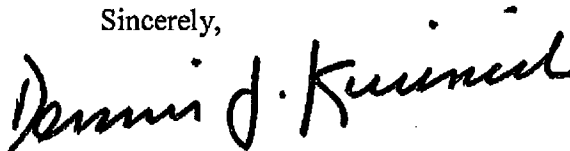
In considering the nuclear hazards of strong earthquakes, it's useful to note the results of a study, which I led from 2001 to 2004, for Tokyo Electric Power Company. The study addressed whether to devote resources to provide robust public protection from nuclear risks that could arise in the event of strong earthquakes or to focus such efforts and researches on the direct effects of the earthquake.

We concluded that any earthquake strong enough to damage the reactor, and thus expose the public to harmful radiation, would be much more dangerous to the public in its direct effects, and that it would be more beneficial to devote efforts and resources to general preparedness.

When the choice is between building a reactor that can survive a major earthquake and preparing the public for a major release, the latter wins. This a false choice about ways to direct scarce resources that facilitates profit for a select few, while placing enormous risks on the rest of us. If the citizens of the U.S. and the world cannot be adequately protected from the risks of nuclear power, then nuclear power should not continue to exist and we should turn to cleaner, safer alternatives.

If you have questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, reading "Dennis J. Kucinich". The signature is written in a cursive, flowing style with a large initial 'D'.

Dennis J. Kucinich  
Member of Congress

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**From:** LIA07 Hoc  
**Sent:** Wednesday, March 16, 2011 2:23 PM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** 1400 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep and Talking Points  
**Attachments:** USNRC Earthquake-Tsunami Update.031611.1400EDT.docx; Two Pager.031611.1400EDT.docx

Attached, please find a 1400 EDT situation report and talking points from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 16, 2011. This Update includes information on the status of the units at Fukushima Daiichi, NRC recommendations to Americans in Japan, and NRC PMT hypothetical Worst Case Analyses.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[james.anderson@nrc.gov](mailto:james.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

---

**From:** NEIGA@nei.org  
**Sent:** Wednesday, March 16, 2011 2:01 PM  
**To:** Monninger, John  
**Subject:** \*\*Update 1:15pm March 16\*\* Information on the Japanese Earthquake and Reactors in that Region



**UPDATE AS OF 1:15 P.M. EDT, WEDNESDAY, MARCH 16:**

NEI has posted an updated version of the fact sheet [Used Nuclear Fuel Storage at the Fukushima Daiichi Nuclear Power Plant](#). Also available is a new fact sheet called [Industry Taking Action to Ensure Continued Safety at U.S. Nuclear Energy Plants](#).

As always, please go to <http://resources.nei.org/japan> for the latest updates.

Click [here](#) to unsubscribe



---

**From:** Wright, Curry D Civ DTRA <(b)(6)>  
**Sent:** Wednesday, March 16, 2011 1:03 PM  
**To:** Monninger, John  
**Cc:** curry.wright@leo.gov  
**Subject:** Contact information

John,

Thank you very much for your time today. Please let us know if we can do anything to help out here at USFJ.

Respectfully,

Curry

Curry Wright  
Defense Threat Reduction Agency  
USFJ BJOCC  
DSN: 315-225-2303  
Cell: (b)(6)

---

**From:** Duong, Tamanh Q LCDR USN USFJ J4 <(b)(6)> on behalf of USFJ-CAT-J4 <(b)(6)>  
**Sent:** Wednesday, March 16, 2011 12:30 PM  
**To:** Williams, Joseph  
**Cc:** RST01 Hoc; Casto, Chuck; Monninger, John; Corbett, Eric M Capt USMC USFJ J01A; Tribble, Rod W CDR USN USFJ J4; Chang, Donald GS-14 DNC USFJ J4; USFJ-RCEM-J42; USFJ-JLOC-J43; USFJ-CAT-J5; USFJ-CAT-AIR; USFJ-CAT-CHIEF  
**Subject:** RE: Additional Equipment Needs for Fukushima

Mr. Williams

Copied. Any other technical details you can provide to the list below would be greatly appreciative. It would help to prime the TEPCO engineers and MOFA, in case they ask.

Thanks!

V/R

Tamanh

---

Tamanh Q. Duong, P.E., MBA  
USFJ-CAT-J4 Watch Officer (0700-1900)  
Operation Tomadachi  
DSN: (315) 225-4110/4105, FAX: x6743  
Commercial (CONUS) 011-81-3117-55-4110/4105 Commercial (JAPAN) 03117-55-4110/4105  
NIPR: (b)(6)  
SIPR: (b)(6)

-----Original Message-----

**From:** Williams, Joseph [mailto:Joseph.Williams@nrc.gov]  
**Sent:** Thursday, March 17, 2011 1:15 AM  
**To:** Duong, Tamanh Q LCDR USN USFJ J4  
**Cc:** RST01 Hoc; Casto, Chuck; Monninger, John  
**Subject:** Additional Equipment Needs for Fukushima  
**Importance:** High

Attached is the sketch of the pump and piping configuration discussed with you in our conference call a short time ago.

The equipment needed is summarized as follows:

Requested 4 trains of mobile pumps including the following

- 4 each Diesel Sea Water Suction pump with Strainer.
- 4 each Diesel Booster Pumps.
- 4 each Diesel Spray Pumps. 100m Length 50m High Provide approximately 500 gpm water flow to Fukushima Daiichi Spent Fuel Pools.

Diesel Fuel tanks and Fuel to support pump trains.  
500 meters of Piping for 2 trains.  
700 meters of Piping for 2 trains.  
People to assist in assembly of trains  
20,000 # or more Boron  
Back-up Systems including  
4 Pumper Trucks  
Robots for High Rad work with camera capability.

Please contact the Reactor Safety Team by phone or at [rst01.hoc@nrc.gov](mailto:rst01.hoc@nrc.gov) if you have questions.

Joe Williams

Reactor Safety Team Communicator

---

**From:** Monninger, John  
**Sent:** Wednesday, March 16, 2011 11:51 AM  
**To:** Foggie, Kirk; Casto, Chuck; Cook, William; Kolb, Timothy; Foster, Jack; Smith, Brooke; Nakanishi, Tony; (b)(6); Ulses, Anthony; Devercelly, Richard  
**Subject:** Re: Tomorrow Morning 3/17

Also, there is another (3rd) meeting with TEPCO at 1000 to advance the potential assistance from the US to Japan. We got a good list during the mtg. tonight and passed it to the Hdqtrs ET. ET understands that we need feedback on the request in about 8 hours.

John Monninger

(b)(6)

----- Original Message -----

**From:** Foggie, Kirk  
**To:** Casto, Chuck; Monninger, John; Cook, William; Kolb, Timothy; Foster, Jack; Smith, Brooke; Nakanishi, Tony; (b)(6); Ulses, Anthony; Devercelly, Richard  
**Sent:** Wed Mar 16 11:46:47 2011  
**Subject:** Tomorrow Morning 3/17

All,

Please be at the Embassy by 9 am tomorrow as we will have a busy morning filled with briefs and conference calls.

The first brief will be from Tony N. on his findings at the Prime Minister's EOF, then Brooke (and possibly Tony N.) need to leave for next iteration of that meeting.

Next, John M. will give an update on the second TEPCO meeting this evening, if necessary.

At 9:30 me and Tony U. will meet with NISA representatives and see if we can get some traction on a better line of communication.

Last, at 10:30 there will be a conference call with a DTRA team based in ?Yokasoto? Base in southern Japan to see if we are aware of some of the same findings.

Get some rest. You will need it for tomorrow.

Kirk  
Sent from Blackberry.

---

**From:** Williams, Joseph  
**Sent:** Wednesday, March 16, 2011 10:35 AM  
**To:** Casto, Chuck; Monninger, John; Ulses, Anthony; Trapp, James  
**Cc:** RST01 Hoc  
**Subject:** RE: Military Resources

I will pass the word.

Joe

---

**From:** Casto, Chuck  
**Sent:** Wednesday, March 16, 2011 10:33 AM  
**To:** Williams, Joseph; Monninger, John; Ulses, Anthony; Trapp, James  
**Cc:** RST01 Hoc  
**Subject:** Re: Military Resources

John and tim should call you soonest after the TEPCO meeting they are in.

If they don't call in the new few hours call me. (b)(6)

---

**From:** Williams, Joseph  
**To:** Casto, Chuck; Monninger, John; Ulses, Anthony; Trapp, James  
**Cc:** RST01 Hoc  
**Sent:** Wed Mar 16 10:27:37 2011  
**Subject:** Military Resources

This message relays information received by the Reactor Safety Team from Major Cook, Yokota Air Base, USFJ, (DSN # 315-225-5333) regarding pump resources being made available.

2 S18000 diesel-driven fire pumps: 2200 gpm, 6 inch discharge. No head specified.

2 S18900 diesel-driven fire pumps: 1800 gpm, 6 inch discharge. Boost via jet pumps (S18500, rated 500 gpm @ 150 psi)

1 diesel-driven fire pump. Unknown specification.

We were told that the Japanese Self Defense Forces will transport the pumps to the site (~150 km, ~100 miles)

In a call from INPO, the RST was told that a request had been received for additional boron for Fukushima. The source of this request was unknown. INPO stated that Diablo Canyon has 20,000 pounds available. Major Cook indicated that military assets can possibly move boron from Travis AFB after delivery from Diablo Canyon (licensee believed able to deliver to Travis).

**Please let us know if you are aware of the request for boron. We believe that there should be material available in Japan at the 20 PWR plants.**

We also informed INPO and Major Cook of other assets which we were told you requested.

- Fire "rockets" (500 gpm capability)
- 800 meters of rigid pipe for suction from ocean
- Strainers for raw seawater



- Bulldozers for clearing debris
- Ladder pumper trucks with monitor nozzles

**Please advise if there is a need for other materials, such as lead blankets for shielding, sand, dolomite, etc.**

Joe Williams  
RST Communicator

---

**From:** Foster, Jack  
**Sent:** Wednesday, March 16, 2011 8:00 AM  
**To:** Smith, Brooke; Kolb, Timothy; Devercelly, Richard; Cook, William; Nakanishi, Tony; Monninger, John; Foggie, Kirk  
**Subject:** Fw: NRC Recommendations (Revised)  
**Attachments:** Recommendations.doc

From an NRC Blackberry  
Jack Foster

(b)(6)

---

**From:** Casto, Chuck  
**To:** Foster, Jack  
**Sent:** Wed Mar 16 07:36:41 2011  
**Subject:** Fw: NRC Recommendations (Revised)

---

**From:** LIA06 Hoc  
**To:** Casto, Chuck  
**Cc:** Miller, Chris; McDermott, Brian  
**Sent:** Wed Mar 16 07:34:55 2011  
**Subject:** FW: NRC Recommendations (Revised)

(b)(5)

Tom Blount

---

**From:** ET02 Hoc  
**Sent:** Wednesday, March 16, 2011 7:25 AM  
**To:** Miller, Chris; (b)(6) LIA06 Hoc  
**Subject:** NRC Recommendations (Revised)

(b)(5)

---

**From:** LIA07 Hoc  
**Sent:** Wednesday, March 16, 2011 6:48 AM  
**To:** Casto, Chuck; Cook, William; Devercelly, Richard; Foggie, Kirk; Foster, Jack; Jim Trapp; Kolb, Timothy; Monninger, John; Nakanishi, Tony; Smith, Brooke; Ulses, Anthony  
**Subject:** 0630 EDT (March 16, 2011) USNRC Earthquake/Tsunami SitRep  
**Attachments:** USNRC Earthquake-Tsunami Update.031611.0630EDT.docx

Attached, please find a 0630 EDT situation report (**in Word**) from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 16, 2011. This Update includes information on dose rates near Fukushima Daiichi, Fukushima Daiichi plant parameters, and NRC PMT hypothetical Worst Case Analyses.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

Yen Chen  
US Nuclear Regulatory Commission  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

---

**From:** Casto, Chuck  
**Sent:** Wednesday, March 16, 2011 12:37 AM  
**To:** Monninger, John  
**Subject:** Re: We Arrived at Airport

Landed

----- Original Message -----

**From:** Monninger, John  
**To:** Casto, Chuck; Devercelly, Richard  
**Sent:** Tue Mar 15 21:55:03 2011  
**Subject:** We Arrived at Airport

Chuck. devoted

The 7 staff from HQ arrived at AP.  
John Monninger

(b)(6)

---

**From:** Monninger, John  
**Sent:** Tuesday, March 15, 2011 11:34 PM  
**To:** (b)(6)  
**Subject:** Re: good morning?

(b)(6)

John Monninger

(b)(6)

---

**From:** (b)(6)  
**To:** Monninger, John  
**Sent:** Tue Mar 15 15:43:11 2011  
**Subject:** Re: good morning?

(b)(6)

----- Original Message -----

**From:** "John Monninger" <John.Monninger@nrc.gov>  
**To:** (b)(6)  
**Sent:** Tuesday, March 15, 2011 7:06:45 AM  
**Subject:** Re: good morning?

(b)(6)

John Monninger

(b)(6)

----- Original Message -----

**From:** (b)(6)  
**To:** Monninger, John

Sent: Tue Mar 15 06:54:50 2011  
Subject: good morning?

(b)(6)

---

**From:** Monninger, John  
**Sent:** Tuesday, March 15, 2011 11:32 PM  
**To:** Speiser, Herald  
**Subject:** Re: Ides of March and office update

Herald

Thanks for the short history. Many times we hear the famous quotes but are not certain of their origin.

The trip came on real fast. Monday 930ish I know I was a candidate but didn't get the final word till later that day.

I expect to be gone probably 2 weeks, but it could be shorter.

John Monninger

(b)(6)

---

**From:** Speiser, Herald  
**To:** Monninger, John  
**Sent:** Tue Mar 15 15:18:26 2011  
**Subject:** Ides of March and office update

Good morning/afternoon/evening... whenever you get this.

Beware, the Ides of March is today.

The history: On his way to the Theatre of Pompey (where he would be assassinated), Caesar is said to have seen a seer who had foretold that harm would come to him not later than the Ides of March. Caesar joked, "Well, the Ides of March have come", to which the seer replied "Ay, they have come, but they are not gone." This meeting is famously dramatized in William Shakespeare's play Julius Caesar, when Caesar is warned to "beware the Ides of March."

[The **Ides of March** (Latin: Idus Martii) is the name of 15 March in the Roman calendar, probably referring to the day of the full moon. The term ides was used for the 15th day of the months of March, May, July, and October, and the 13th day of the other months. The Ides of March was a festive day dedicated to the god Mars and a military parade was usually held. In modern times, the term *Ides of March* is best known as the date on which Julius Caesar was killed in 44 B.C. Caesar was stabbed to death in the Theatre of Pompey by a group of some 60 conspirators led by Marcus Junius Brutus and Gaius Cassius Longinus.

As to the office, I was surprised to be here first this morning since you usually beat me. But boy was I even more surprised when I found out you went to Japan! To top that off, my biggest surprise was that GBJ and Josh were sleeping in the office!

I can't imagine a pleasant aspect to your trip but hope it isn't too difficult.

Herald



\*\*\*\*\*

**Herald M. Speiser - (301) 415-1830**  
**Administrative Assistant**  
**Office of the Chairman**  
**Nuclear Regulatory Commission**  
**11555 Rockville Pike**  
**Mailstop: O-16G4**  
**Rockville, MD 20852**

---

**From:** Monninger, John  
**Sent:** Tuesday, March 15, 2011 10:55 PM  
**To:** Fopma, Melody  
**Subject:** Re: There are bagels in the kitchen

Chuck Casto RII  
Richard Devo TTC  
Bill Cook RI  
Tony Matalakas NRR  
Tim Kolb NRR  
Jack Foster FSME  
Kirk Foggie  
Brook Smith

John Monninger  
(b)(6)

---

**From:** Fopma, Melody  
**To:** Monninger, John  
**Sent:** Tue Mar 15 09:03:28 2011  
**Subject:** RE: There are bagels in the kitchen

Who else is traveling to Japan with you? I heard nine people are going over? Be safe. When are you coming back?

---

**From:** Monninger, John  
**Sent:** Tuesday, March 15, 2011 8:41 AM  
**To:** Warren, Roberta; Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Montes, David; Pace, Patti; Pearson, Laura  
**Subject:** Re: There are bagels in the kitchen

Left Dulles at 1105 last night and arrived in London about 2 hours ago. Flight to Japan is delayed at least an hour.

John Monninger  
(b)(6)

---

**From:** Warren, Roberta  
**To:** Monninger, John; Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Montes, David; Pace, Patti; Pearson, Laura  
**Sent:** Tue Mar 15 08:38:40 2011  
**Subject:** RE: There are bagels in the kitchen

Are you there yet????

Roberta S. Warren  
Policy Advisor for Security and Int'l Programs  
Office of the Chairman  
U.S. NRC

(301) 415-8044

(b)(6)

(C)

---

**From:** Monninger, John

**Sent:** Tuesday, March 15, 2011 8:38 AM

**To:** Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Montes, David; Pace, Patti; Pearson, Laura; Warren, Roberta

**Subject:** Re: There are bagels in the kitchen

Can you save one for me? I may be a little late.

John Monninger

(b)(6)

---

**From:** Speiser, Herald

**To:** Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Pearson, Laura; Speiser, Herald; Warren, Roberta

**Sent:** Tue Mar 15 08:04:59 2011

**Subject:** There are bagels in the kitchen

\*\*\*\*\*

**Herald M. Speiser - (301) 415-1830**

**Administrative Assistant**

**Office of the Chairman**

**Nuclear Regulatory Commission**

**11555 Rockville Pike**

**Mailstop: O-16G4**

**Rockville, MD 20852**

---

**From:** Monninger, John  
**Sent:** Tuesday, March 15, 2011 10:16 PM  
**To:** (b)(6)  
**Subject:** Re: How are you?

Just arrived. once we get organized I'll get back in touch.  
John Monninger

(b)(6)

---

**From:** (b)(6)  
**To:** Monninger, John  
**Sent:** Tue Mar 15 21:57:47 2011  
**Subject:** How are you?

(b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Tuesday, March 15, 2011 10:10 PM  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Subject:** Re: HQ Team Arrived

Great news John. You've got your work cut out for you. Make us proud and be careful.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Jaczko, Gregory  
Cc: Batkin, Joshua; Coggins, Angela  
Sent: Tue Mar 15 22:07:53 2011  
Subject: HQ Team Arrived

Mr Chairman

The 6 staff from headquarters and staff member from Region 1 arrived.  
John Monninger

(b)(6)

---

**From:** iTrezzo Admin  
**Sent:** Tuesday, March 15, 2011 7:09 PM  
**To:** Monninger, John  
**Subject:** BlackBerry Contact Update

To be prepared in an urgent situation, the NRC Emergency Preparedness Software has updated one or more of your Outlook Contacts.

The following 5 contact(s) were updated with current information:

- William Cook (Other: (b)(6))
- Brooke Smith (Other: (b)(6))
- Kirk Foggie (Other: (b)(6))
- Jack Foster (Other: (b)(6))
- Chuck Casto (PIN: (b)(6) Other: (b)(6))

These changes will synchronize with the address book on your BlackBerry. Contact CSC at (301) 415-1234 if these changes do not appear on your BlackBerry within 24 hours.

---

**From:** OST02 HOC  
**Sent:** Tuesday, March 15, 2011 6:20 PM  
**To:** Uhle, Jennifer; Skeen, David; Dudes, Laura; Hiland, Patrick; Monninger, John; Case, Michael; Holahan, Gary; Ruland, William; Brown, Frederick  
**Cc:** Evans, Michele  
**Subject:** Staffing the Ops Center 24/7  
**Importance:** High

**RST Directors:**

Per EDO direction we plan to staff the Ops Center 24/7 while we have staff dispatched in Japan. And we are currently planning to identify a second team to send to Japan in about 2 weeks, with the idea that they may stay there for an additional two weeks. That would take us out to April 10 or so.

Staffing in the IRC will remain at the current levels for potentially another week. Possibly we will be able to scale back somewhat at that point. The intent is to develop a schedule through April 10 at this point. The immediate focus is to staff for the first week, starting Saturday March 19.

We'd like to have a little more consistency in the staffing of most positions. So we'd like to staff the RST director in 4 day blocks, three shifts each day, starting March 19.

Fred Brown/Tim McGinty/John Lubinski has offered to take the lead to coordinate among the potential RST Directors to fill the schedule. Please work with him and provide at least the schedule for the first four day block by COB Wednesday March 16.

**Michele**

---

**From:** Champ, Billie  
**Sent:** Tuesday, March 15, 2011 3:42 PM  
**To:** Batkin, Joshua; Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho  
**Cc:** Vietti-Cook, Annette; Jaegers, Cathy; Clayton, Kathleen; McKelvin, Sheila  
**Subject:** Incoming Congressional Correspondence  
**Attachments:** (b)(5)

(b)(5)

**Billie A. C-Lopes**  
**March 15, 2011**



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**Nita M. Lowey**  
**Congress of the United States**  
**18th District, New York**

lowey.house.gov

**WASHINGTON**  
2365 RAYBURN HOUSE OFFICE BUILDING  
WASHINGTON, DC 20516  
(202) 225-6506  
FAX: (202) 225-0545

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222 MAMARONECK AVENUE  
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(914) 428-1707  
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**ROCKLAND**  
(845) 639-3485

Chairman Gregory B. Jaczko  
U.S. Nuclear Regulatory Commission  
Mail Stop O-16G4  
Washington, DC 20555-0001

March 15, 2011

Dear Chairman Jaczko:

The tragedy in Japan and the threat of meltdowns at the Fukushima Daiichi Nuclear Power Station shine a new light on the need for the heightened evaluation of nuclear power plants within high-population areas. Following the Japan tragedy, it is imperative that the NRC evaluate all possible threats, including terrorism, natural disasters, and the challenges that must be met in developing safety standards and evacuation procedures while determining the re-licensing of the Indian Point Nuclear Facility in Buchanan, New York.

A 2008 study by seismologists at the Columbia University Lamont-Doherty Earth Observatory found that earthquakes in the New York metropolitan area are common and that risks are particularly high due to infrastructure and high population. A 3.9 magnitude earthquake occurred in the Atlantic Ocean approximately 80 miles off Long Island as recently as November 30, 2010. In fact, there have been five earthquakes in the same area in the past two decades, including a 4.7 magnitude earthquake in 1992.

The Ramapo Seismic Zone is a particular threat because the zone passes within two miles of Indian Point. The Ramapo Seismic Zone includes the Dobbs Ferry fault in Westchester, which generated a 4.1 magnitude earthquake in 1985. The Columbia University study suggests that this pattern of subtle but active faults increases the risk to the New York City area and that an earthquake with a magnitude of 7.0 on the Richter scale is within reach. Disturbingly, Entergy measures the risk of an earthquake near Indian Point to be between 1.0 and 3.0 on the Richter scale, despite evidence to the contrary.

As our nation stands ready to assist the Japanese to calm this potential nuclear meltdown and disaster, we must not let the same mistakes happen on our shores. The NRC should study Indian Point's risk of and ability to sustain a disaster, including the impact of earthquakes and hurricanes, as well as collateral impacts such as loss of power, inability to cool reactors, and emergency evacuation routes. The NRC should evaluate how a similar incident in the New York metropolitan area could be further complicated due to a dramatically higher population and the effectiveness of proposed evacuation routes. We simply cannot allow those who live in the New York metropolitan area to be susceptible to such risks.

Sincerely,

Nita M. Lowey  
Member of Congress

---

**From:** LIA02 Hoc  
**Sent:** Tuesday, March 15, 2011 2:14 PM  
**To:** Shaffer, Mark R  
**Cc:** (b)(6); Ulses, Anthony; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Foggie, Kirk; Smith, Brooke  
**Subject:** FW: 1330 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep  
**Attachments:** USNRC Earthquake-Tsunami Update.031511.1330EDT.docx

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**From:** HOO Hoc  
**Sent:** Tuesday, March 15, 2011 2:02 PM  
**To:** RST01 Hoc; PMT01 Hoc; LIA01 Hoc; LIA02 Hoc; LIA04 Hoc; LIA07 Hoc; LIA11 Hoc; LIA12 Hoc; Gott, William; Marshall, Jane; McDermott, Brian; Morris, Scott; Thorp, John  
**Subject:** FW: 1330 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep

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**From:** LIA07 Hoc  
**Sent:** Tuesday, March 15, 2011 1:55 PM  
**To:** LIA07 Hoc  
**Cc:** LIA09 Hoc; LIA11 Hoc; LIA01 Hoc; HOO Hoc  
**Subject:** 1330 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep

Attached, please find a 1330 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 15, 2011. This Update includes information on dose rates near Fukushima Daiichi, Fukushima Daiichi plant parameters, and NRC PMT hypothetical Worst Case Analyses. Please note that this information is "Official Use Only" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[james.anderson@nrc.gov](mailto:james.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

---

**From:** Champ, Billie  
**Sent:** Tuesday, March 15, 2011 1:08 PM  
**To:** Batkin, Joshua; Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho; Burns, Stephen  
**Cc:** Vietti-Cook, Annette  
**Subject:** Incoming Congressional Correspondence  
**Attachments:** (b)(5)

(b)(5)

**Billie A. C-Lopes**  
**March 15, 2011**

**Congress of the United States**  
**Washington, DC 20515**

March 15, 2011

The Honorable Greg Jaczko  
Chairman  
Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852

Dear Chairman Jaczko:

We write to request additional information related to the seismic safety features that are included in nuclear reactors currently in operation in this country. We are concerned that these reactors may not have the features necessary to withstand the sort of catastrophic earthquake and tsunami that has crippled several reactors in Japan, and caused a meltdown and the release of the highly radioactive materials contained within them.

The 9.0 magnitude earthquake caused a number of Japan's nuclear reactors to shut down automatically. However, a combination of tsunami-related damage and the long duration of the external power outages have subsequently led some of these reactors' emergency diesel generators, and thus cooling systems, to fail. To reduce rising pressure inside the Fukushima reactors, radioactive vapor is being vented, but three explosions have occurred as these pressures grew too high.<sup>1</sup> It appears as though meltdowns are proceeding at these reactors. Now life-threatening levels of radiation are being emitted, a 19-mile evacuation and no-fly zone has been established, a fire at a spent fuel pool at one of the units occurred, and 1,350 of the plant's 1,450 workers have been evacuated. Radioactive materials such as cesium and iodine have been detected as much as 100 miles away from these reactors.<sup>2</sup>

According to analysis prepared by Rep. Markey (see Appendix A, the map appended to this letter), there are eight nuclear reactors located on the seismically active West Coast of the United States, and twenty-seven nuclear reactors located near the New Madrid fault line in the Midwest.<sup>3</sup> There are additionally thirty-one nuclear reactors in

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<sup>1</sup> [http://www.washingtonpost.com/business/economy/nuclear-crisis-deepens-as-third-reactor-loses-cooling-capacity/2011/03/14/ABk6rQV\\_story.html](http://www.washingtonpost.com/business/economy/nuclear-crisis-deepens-as-third-reactor-loses-cooling-capacity/2011/03/14/ABk6rQV_story.html)

<sup>2</sup> [http://www.msnbc.msn.com/id/42066534/ns/world\\_news-asia-pacific/](http://www.msnbc.msn.com/id/42066534/ns/world_news-asia-pacific/)

<sup>3</sup> See <http://pubs.usgs.gov/fs/2009/3071/pdf/FS09-3071.pdf> In 1811–1812, three major earthquakes (magnitude 7 to 7.7 on the commonly used Richter Scale) occurred near the town of New Madrid, MO. In 1886, a large earthquake (Richter Scale magnitude of about 7) occurred near Charleston, S.C. The United States Geological Survey has estimated that the chance of having an earthquake similar to one of the 1811–12 sequence in the next 50 years is about 7 to 10 percent, and the chance of having a magnitude 6 or larger earthquake in 50 years is 25 to 40 percent.

the United States that are of the same Mark 1 or Mark 2 design as those currently imperiled in Japan, and twelve of these are located in seismically active zones.

The Nuclear Regulatory Commission (NRC)<sup>4</sup> indicates that safety-significant structures, systems, and components of nuclear reactors must be designed to take into account:

- “the most severe natural phenomena historically reported for the site and surrounding area. The NRC then adds a margin for error to account for the historical data’s limited accuracy;
- appropriate combinations of the effects of normal and accident conditions with the effects of the natural phenomena; and
- the importance of the safety functions to be performed.”

According to its website<sup>5</sup>, the San Onofre nuclear power plant, which is located 45 miles from Long Beach, California, is designed to withstand a 7.0 magnitude earthquake. An NRC staff memo<sup>6</sup> indicates that the Diablo Canyon nuclear power plant, which is located 12 miles from San Luis Obispo, California, is designed to withstand a 7.5 magnitude earthquake. But according to the Southern California Earthquake Center,<sup>7</sup> there is an 82 percent probability of an earthquake of 7.0 magnitude occurring in the next 30 years, and a 37 percent probability that an earthquake of 7.5 magnitude will occur.

It is not just resilience to the direct effects of an earthquake that raises concerns. While all nuclear power plants are equipped with emergency diesel generators, it is clear from the Japanese catastrophe that these are not themselves infallible, since they all appear to have failed at the Fukushima reactors. These can also fail for other reasons. For example, in 1990,<sup>8</sup> the Vogtle plant in Georgia experienced a station blackout when a truck knocked over a transmission pole in the switchyard causing a loss of offsite power. The emergency diesel generator started but failed to load. The power plant suffered a complete station blackout, but fortunately power was restored in just over half an hour. NRC regulations only require nuclear power plants to be able to sustain cooling function in a station blackout for 4-8 hours<sup>9</sup> using back-up battery powered generation capacity.

The vulnerability to the effects of a total station blackout was also noted by the NRC in its 2003 report entitled “Regulatory Effectiveness of the Station Blackout

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<sup>4</sup> <http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/fs-seismic-issues.html>

<sup>5</sup>

<http://www.sce.com/PowerandEnvironment/PowerGeneration/SanOnofreNuclearGeneratingStation/publicsafety.htm>

<sup>6</sup> Research Information Letter 09-001: Preliminary Deterministic Analysis of Seismic Hazard at Diablo Canyon Nuclear Power Plant from Newly Identified “Shoreline Fault”

<sup>7</sup> <http://www.scec.org/core/public/scecontext.php/3935/13662>

<sup>8</sup> <http://query.nytimes.com/gst/fullpage.html?res=9C0CEEDF123AF932A35757C0A966958260>

<sup>9</sup>

[http://adamswebsearch2.nrc.gov/idmws/DocContent.dll?library=PU\\_ADAMS^pbntad01&LogonID=ba229e2ba98e61e668d07a5da3c0e726&id=032520158](http://adamswebsearch2.nrc.gov/idmws/DocContent.dll?library=PU_ADAMS^pbntad01&LogonID=ba229e2ba98e61e668d07a5da3c0e726&id=032520158)

Rule.”<sup>10</sup> Appendix B of this report (attached to this letter) provides reactor-specific information related to outages experienced, demonstrating that many nuclear reactors in this country have already experienced lengthy power outages. The second column in this table reports the overall risk of core damage frequency as calculated by the plant owners. The third column reports the risk of core damage due to complete station blackout as calculated by the plant owners, which is also expressed as a percentage in column 4. If emergency diesel generators were truly fully reliable, there would be no risk associated with a complete station blackout. Instead, many nuclear reactors are estimated to have a real risk of core damage due to a complete station blackout. The fifth column in this table shows four parameters. The first parameter is the battery coping duration in hours, which can easily be seen to be four hours for most reactors, so some reactors can operate on batteries for eight hours.

Clearly, the risks of core damage to reactors due to a complete power outage are non-trivial and have already been contemplated by the NRC. The 4-8 hour battery generation capacity currently in place at U.S. reactor sites would not have helped mitigate the effects of the Japanese earthquake and subsequent tsunami.

Finally, the spent fuel pools at these nuclear reactors can also fail. If the water that cools these fuel rods drains, the zirconium cladding them can catch fire and lead to another source of melting fuel that can spew high level radioactive materials into the environment. This appears to have already occurred in Japan.

We are concerned that San Onofre, Diablo Canyon, and possibly other nuclear reactors located in seismically active areas are not designed with sufficient levels of resiliency against the sort of earthquakes scientists predict they could experience. We are also interested in more detailed information about just what it means to take the “most severe natural phenomena historically reported for the site and surrounding area” into account when designing the safety related features of nuclear reactors. Consequently, we ask for your prompt response to the following questions and requests for information.

- 1) Please provide the Richter or moment magnitude scale rating for each operating nuclear reactor in the United States. If no such rating information exists, then on what basis can such an assertion be made regarding the design of any single nuclear power plant?
- 2) The San Onofre reactor is reportedly designed to withstand a 7.0 earthquake, and the Diablo Canyon reactor is designed to withstand a 7.5 earthquake. According to the Southern California Earthquake Center,<sup>11</sup> there is an 82 percent probability of an earthquake of 7.0 magnitude in the next 30 years, and a 37 percent probability that an earthquake of 7.5 magnitude will occur. Shouldn't these reactors be retrofitted to ensure that they can withstand a stronger earthquake than a 7.5? If not, why not?
- 3) Please provide specific information regarding the differences in safety-significant structures between a nuclear power plant that is located in a seismically active area and one that is not. Please provide, for each operating nuclear reactor in a seismically

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<sup>10</sup> See <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1776/sr1776.pdf>


<sup>11</sup> <http://www.scec.org/core/public/scecontext.php/3935/13662>

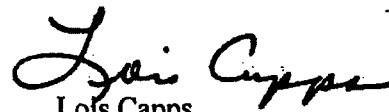
active area, a full list and description of the safety-significant design features that are included that are not included in similar models that are not located in seismically active areas.

- 4) Please fully describe the emergency back-up power requirements that operating nuclear power plants must possess. How long are emergency diesel generators and back-up battery-powered generators required to be able to operate? If different requirements exist for different locations in the United States or for different types of reactors, please also include this information in your response.
- 5) For each operating nuclear power plant, please indicate a) whether the spent fuel pools are located inside or out of the containment structure, b) whether the emergency diesel generators are connected to the cooling and other equipment associated with the spent fuel pools, c) whether the battery-powered generators are connected to the cooling and other equipment associated with the spent fuel pools.
- 6) Please provide a list of all incidents at operating nuclear reactors since 1990 that have involved a) the loss of off-site power, b) a station blackout, or c) a failure of the battery-powered generators at the reactor. For each such incident, please fully describe the circumstances and duration, and impacts or damages, if any.
- 7) In your opinion, can any of the operating nuclear reactors in the United States withstand an earthquake of the magnitude experienced in Japan?

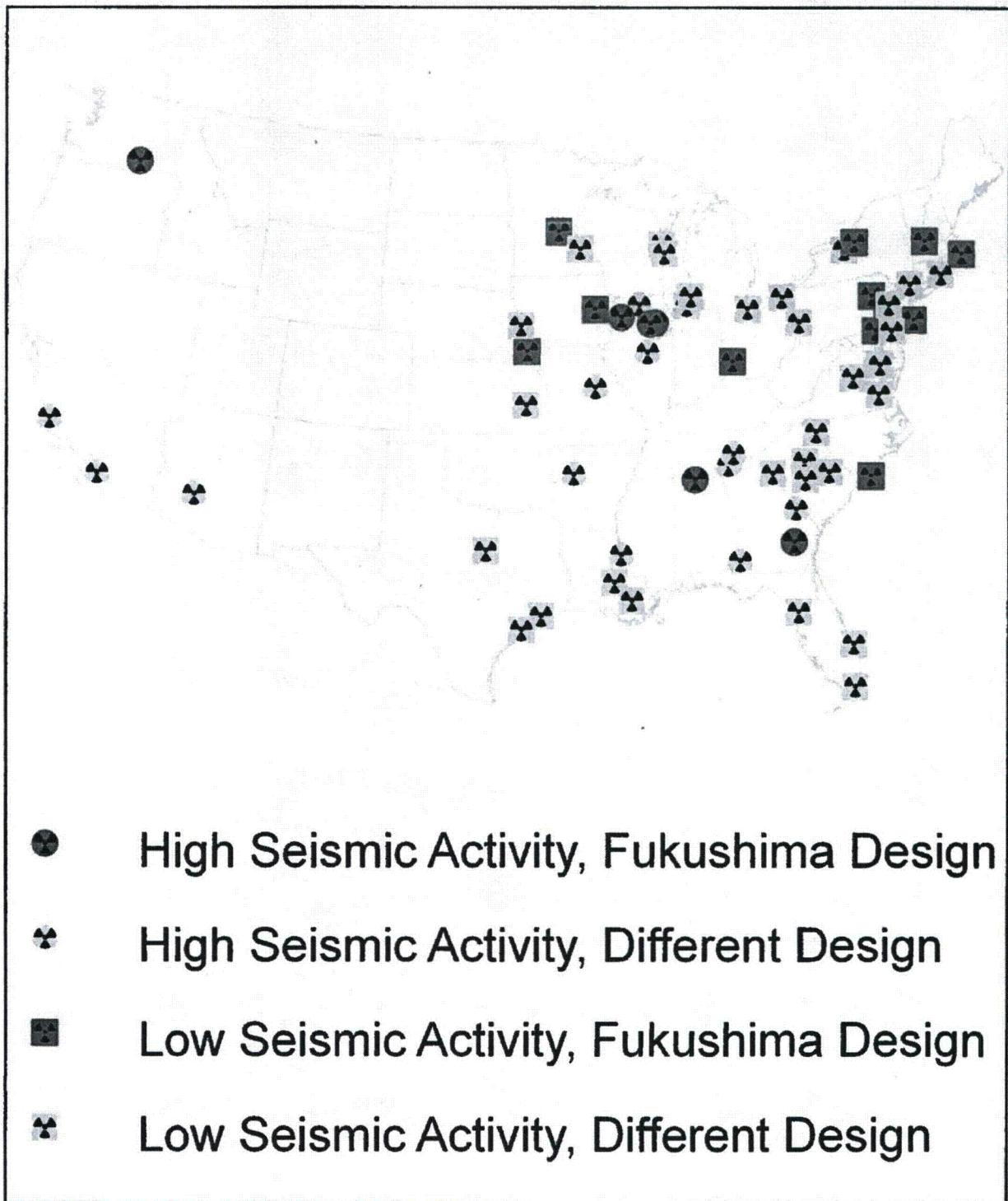
Please provide your response no later than close of business on Friday April 8, 2011. If you have any questions or concerns, please have your staff contact Dr. Michal Freedhoff of the Natural Resources Committee staff or Dr. Ilya Fischhoff of Rep. Markey's staff at 202-225-2836 or Jonathan Levenshus of Rep. Capps' staff at 202-225-3601.

Sincerely,

  
Edward J. Markey  
Member of Congress

  
Lois Capps  
Member of Congress

## APPENDIX A





## APPENDIX B

### Plant-Specific Station Blackout Information by Reactor Type and Operating Status

**Table B-1 Operating pressurized-water reactors**

| Plant                       | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                         |          |
|-----------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|-----------------------------------------|----------|
|                             |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times > 240 minutes |          |
|                             |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid | Power                                   | Shutdown |
| Arkansas Nuclear One Unit 1 | 4.67E-05  | 1.58E-05 | 33.8                         | 4/95/10/1                                                                                 | Added 1 DG and crosstie                                              | 3.58E-02                            | 2                                                         | 1       |      |                                         |          |
| Arkansas Nuclear One Unit 2 | 3.40E-05  | 1.23E-06 | 3.6                          | 4/95/10/1                                                                                 | Added crosstie                                                       | 5.84E-02                            | 1                                                         | 1       |      |                                         |          |
| Beaver Valley Unit 1        | 2.14E-04  | 6.51E-05 | 30.4                         | 4/975/60/1                                                                                | Added crosstie                                                       | 6.84E-02                            | 2                                                         |         |      |                                         |          |
| Beaver Valley Unit 2        | 1.92E-04  | 4.86E-05 | 25.3                         | 4/975/60/1                                                                                | Added crosstie                                                       | 7.44E-02                            | 1                                                         |         |      |                                         |          |
| Braidwood Units 1&2         | 2.74E-05  | 6.20E-06 | 22.6                         | 4/95/10/1                                                                                 |                                                                      | 4.53E-02                            | 2                                                         |         |      |                                         |          |
| Bryon Units 1&2             | 3.09E-05  | 4.30E-06 | 13.9                         | 4/95/10/1                                                                                 |                                                                      | 4.43E-02                            |                                                           |         |      |                                         |          |
| Callaway                    | 5.85E-05  | 1.80E-05 | 30.8                         | 4/975/-1                                                                                  |                                                                      | 4.60E-02                            |                                                           |         |      |                                         |          |
| Calvert Cliffs Units 1&2    | 2.40E-04  | 8.32E-06 | 3.4                          | 4/975/60/4                                                                                | Added 1 EDG and one 1 DG                                             | 1.36E-01                            | 3                                                         |         |      |                                         |          |
| Catawba Units 1&2           | 5.80E-05  | 6.0E-07  | 10.3                         | 4/95/10/1                                                                                 |                                                                      | 2.0E-03                             | 1                                                         |         |      | 330                                     |          |
| Comanche Peak Units 1&2     | 5.72E-05  | 1.5E-05  | 26.2                         | 4/95/-1                                                                                   |                                                                      |                                     |                                                           |         |      |                                         |          |

# Plant-Specific Station Blackout Information by Reactor Type and Operating Status

Table B-1 Operating pressurized-water reactors (Cont.)

| Plant                   | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                         |
|-------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|-----------------------------------------|
|                         |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times ≥ 240 minutes |
|                         |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid |                                         |
| Crystal River Unit 3    | 1.53E-05  | 3.28E-06 | 21.5                         | 4/975/-4                                                                                  | dc load shed. Added nonclass 1E battery                              | 4.35E-01                            | 3                                                         |         |      |                                         |
| Davis-Besse             | 6.6E-05   | 3.50E-05 | 53                           | 4/95/10/2                                                                                 | Added 1 DG                                                           | 3.50E-02                            | 2                                                         | 1       |      | 1680                                    |
| DC Cook Units 1&2       | 6.2E-05   | 1.13E-05 | 18.1                         | 4/975/-2                                                                                  | dc load shed                                                         | 4.0E-02                             | 1                                                         |         |      |                                         |
| Diablo Canyon Units 1&2 | 8.8E-05   | 5.0E-06  | 5.68                         | 4/95/-1                                                                                   | Added 1 DG                                                           | 9.1E-02                             | 1                                                         |         |      | 261 917                                 |
| Farley Units 1&2        | 1.3E-04   | 1.22E-05 | 9.4                          | 4/95/10/3                                                                                 | Service water to Aac, auto load shedding                             | 4.70E-02                            | 2                                                         |         |      |                                         |
| Fort Calhoun            | 1.36E-05  | NA       | -                            | 4/95/-2                                                                                   | DC load shed                                                         | 2.17E-01                            | 2                                                         |         |      |                                         |
| Ginna                   | 8.74E-05  | 1.0E-06  | 1.14                         | 4/975/-1                                                                                  |                                                                      | 3.50E-03                            | 4                                                         |         |      |                                         |
| Harris                  | 7.0E-05   | 1.71E-05 | 24.4                         | 4/95/-3                                                                                   | Lighting in several areas, ladder to isolation valve                 |                                     |                                                           |         |      |                                         |
| Indian Point Unit 2     | 3.13E-05  | 4.47E-06 | 14.3                         | 8/95/60/2                                                                                 | Added a DG for gas turbine auxiliaries                               | 6.91E-02                            | 2                                                         |         | 3    | 390                                     |

# Plant-Specific Station Blackout Information by Reactor Type and Operating Status

Table B-1 Operating pressurized-water reactors (Cont.)

| Plant                   | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                              |
|-------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|----------------------------------------------|
|                         |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times $\geq$ 240 minutes |
|                         |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid |                                              |
| Indian Point Unit 3     | 4.40E-05  | 4.80E-06 | 10.9                         | 8/95/60/2                                                                                 |                                                                      | 6.80E-02                            | 1                                                         |         |      |                                              |
| Kewaunee                | 6.6E-05   | 2.64E-05 | 40                           | 4/95/60/2                                                                                 | Cross-tie to nonsafety power source                                  | 4.4E-02                             |                                                           |         |      |                                              |
| McGuire Units 1&2       | 4.0E-05   | 9.26E-06 | 23.3                         | 4/95/10/1                                                                                 |                                                                      | 7.0E-02                             | 3                                                         |         |      |                                              |
| Millstone Unit 2        | 3.42E-05  | 1.0E-10  | NMN                          | 8/975/60/5                                                                                | Upgraded unit 1-2 crosstie                                           | 9.10E-02                            | 1                                                         | 1       |      | 330                                          |
| Millstone Unit 3        | 5.61E-05  | 5.10E-06 | 6                            | 8/975/60/5                                                                                | Added DG                                                             | 1.12E-01                            |                                                           |         |      |                                              |
| North Anna Units 1&2    | 7.16E-05  | 8.0E-06  | 11.2                         | 4/95/60/4                                                                                 | Added DG, switchgear, crosstie                                       | 1.14E-02                            |                                                           |         |      |                                              |
| Oconee Units 1, 2&3     | 2.3E-05   | 2.57E-06 | 11.2                         | 4/975/10/1                                                                                |                                                                      | 9.0E-02                             | 2                                                         |         |      |                                              |
| Palisades               | 5.07E-05  | 9.10E-06 | 17.9                         | 4/95/-/1                                                                                  | DC load shed, compressed air for ADVs                                | 3.0E-02                             | 3                                                         |         |      | 388                                          |
| Palo Verde Units 1, 2&3 | 9.0E-05   | 1.91E-05 | 21.2                         | 4/95/10/2                                                                                 | Added 2 gas turbines                                                 | 7.83E-02                            | 3                                                         |         |      | 1138                                         |
| Point Beach Units 1&2   | 1.15E-04  | 1.51E-05 | 13.1                         | 4/975/60/2                                                                                | Gas turbine modifications                                            | 6.10E-02                            | 4                                                         |         |      |                                              |

# Plant-Specific Station Blackout Information by Reactor Type and Operating Status

Table B-1 Operating pressurized-water reactors (Cont.)

| Plant                    | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                              |          |
|--------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|----------------------------------------------|----------|
|                          |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times $\geq$ 240 minutes |          |
|                          |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid | Power                                        | Shutdown |
| Prairie Island Units 1&2 | 5.05E-05  | 3.1E-06  | 6.14                         | 4/975/10/3                                                                                | Added 2 EDGs                                                         | -                                   | 1                                                         | 2       |      | 296<br>296                                   |          |
| Robinson Unit 2          | 3.20E-04  | 2.6E-05  | 8.13                         | 8/95/60/4                                                                                 | Modified conduit supports in switchgear room                         | 6.1E-02                             | 2                                                         |         |      | 454                                          |          |
| Salem Unit 1             | 5.20E-05  | 2.10E-05 | 40.4                         | 4/975/1/2                                                                                 | EDG compressed air mod                                               | 6.0E-02                             | 1                                                         |         |      |                                              |          |
| Salem Unit 2             | 5.5E-05   | 1.70E-05 | 30.9                         | 4/975/1/2                                                                                 | EDG compressed air mod                                               | 6.0E-02                             | 2                                                         |         |      | 655                                          | 1675     |
| San Onofre Units 2&3     | 3.0E-05   | 2.0E-06  | 6.67                         | 4/95/1/1                                                                                  | DC load shed and crosstie                                            | 1.1E-01                             |                                                           |         | 2    |                                              |          |
| St. Lucie Unit 1         | 2.30E-05  | 2.65E-06 | 11.5                         | 4/975/10/5                                                                                | Added crosstie                                                       | 1.5E-01                             | 1                                                         |         | 3    |                                              |          |
| St. Lucie Unit 2         | 2.62E-05  | 2.64E-06 | 10.1                         | 4/975/10/5                                                                                | Added crosstie                                                       | 1.5E-01                             |                                                           |         |      |                                              |          |
| Seabrook                 | 6.86E-05  | 1.53E-05 | 22.3                         | 4/975/1/3                                                                                 | DC load shed                                                         | 4.93E-02                            |                                                           |         |      |                                              |          |
| Sequoyah Units 1&2       | 1.70E-04  | 5.32E-06 | 3.2                          | 4/975/1/2                                                                                 | DC load shed, added air supply                                       | 5.16E-03                            | 2                                                         |         |      |                                              |          |

# Plant-Specific Station Blackout Information by Reactor Type and Operating Status

Table B-1 Operating pressurized-water reactors (Cont.)

| Plant                    | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                         |
|--------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|-----------------------------------------|
|                          |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times ≥ 240 minutes |
|                          |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid |                                         |
| Summer                   | 2.0E-04   | 4.9E-05  | 24.5                         | 4/95/-3                                                                                   | DC load shed, battery mod                                            | 7.3E-02                             |                                                           |         | 1    |                                         |
| South Texas Units 1&2    | 4.3E-05   | 1.46E-05 | 34.9                         | 4/975/10/5                                                                                | Procedural cross-tie                                                 |                                     |                                                           |         |      |                                         |
| Sunny Units 1&2          | 1.25E-04  | 8.09E-06 | 6.47                         | 4/975/10/4                                                                                | Added DG                                                             | 7.69E-02                            |                                                           |         |      |                                         |
| Three Mile Island Unit 1 | 4.49E-04  | 1.57E-05 | 3.5                          | 4/975/10/3                                                                                | Modifications to existing DGs                                        | 5.68E-02                            |                                                           |         |      |                                         |
| Turkey Point Units 3&4   | 3.73E-04  | 4.70E-06 | 1.2                          | 8/95/10/5                                                                                 | Added 2 EDGs and cross-tie                                           | 1.7E-01                             | 4                                                         | 2       | 7    | 7950<br>7908                            |
| Vogtle Units 1&2         | 4.9E-05   | 4.4E-07  | 11                           | 4/95/-2                                                                                   | Added 5 circuit breakers and lighting                                | 6.6E-04                             |                                                           |         |      |                                         |
| Waterford Unit 3         | 1.80E-05  | 6.24E-06 | 34.7                         | 4/975/-4                                                                                  | DC load shed. Added portable air compressors for EDGs                | 3.6E-02                             |                                                           |         |      |                                         |
| Watts Bar Unit 1         | 8.0E-05   | 1.73E-05 | 21.6                         | 4/975/-2/1                                                                                |                                                                      | 3.64E-02                            |                                                           |         |      |                                         |
| Wolf Creek               | 4.2E-05   | 1.88E-05 | 44.8                         | 4/95/-1                                                                                   |                                                                      | 5.12E-02                            |                                                           |         |      |                                         |

# Plant-Specific Station Blackout Information by Reactor Type and Operating Status

Table B-2 Operating boiling-water reactors

| Plant                  | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                         |
|------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|-----------------------------------------|
|                        |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times ≥ 240 minutes |
|                        |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid |                                         |
| Browns Ferry Units 2&3 | 4.80E-05  | 1.30E-05 | 27                           | 4/95/-1                                                                                   | dc load shed                                                         | 1.12E-01                            |                                                           |         |      |                                         |
| Brunswick Units 1&2    | 2.70E-05  | 1.80E-05 | 66.7                         | 4/975/60/5                                                                                | Modified controls for existing crosstie                              | 7.40E-02                            | 3                                                         |         |      | 1508<br>814                             |
| Clinton                | 2.66E-05  | 9.8E-06  | 36.8                         | 4/95/10/1                                                                                 | Added gas fans for selected room cooling                             | 8.40E-02                            |                                                           |         |      |                                         |
| Cooper                 | 7.97E-05  | 2.77E-05 | 34.8                         | 4/95/-2                                                                                   |                                                                      | 3.50E-02                            |                                                           |         |      |                                         |
| Dresden Units 2&3      | 1.8E-05   | 9.30E-07 | 5.03                         | 4/95/60/2                                                                                 | Added 2 DGs                                                          | 1.12E-01                            | 3                                                         | 1       |      | 240                                     |
| Duane Arnold           | 7.84E-06  | 1.90E-06 | 24.2                         | 4/975/-2                                                                                  | dc load shed, RCIC insulation & main control room lighting           | 1.17E-01                            |                                                           |         | 1    |                                         |
| Fermi                  | 5.70E-06  | 1.3E-07  | NMN                          | 4/95/60/1                                                                                 |                                                                      | 1.88E-01                            |                                                           |         |      |                                         |
| FitzPatrick            | 1.92E-06  | 1.75E-06 | NMN                          | 4/95/-1                                                                                   | dc load shed, instrumentation and power supply mods                  | 5.70E-02                            |                                                           |         |      |                                         |
| Grand Gulf             | 1.77E-05  | 7.46E-06 | 36.8                         | 4/95/-2                                                                                   | dc load shed                                                         | 6.80E-02                            |                                                           |         |      |                                         |

# Plant-Specific Station Blackout Information by Reactor Type and Operating Status

**Table B-2 Operating boiling-water reactors (Cont.)**

| Plant                  | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                         |
|------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|-----------------------------------------|
|                        |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times ≥ 240 minutes |
|                        |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid |                                         |
| Hatch Unit 1           | 2.23E-05  | 3.30E-06 | 14.8                         | 4/95/60/2                                                                                 | Replaced battery chargers                                            | 2.20E-02                            |                                                           |         |      |                                         |
| Hatch Unit 2           | 2.36E-05  | 3.23E-06 | 13.7                         | 4/95/60/2                                                                                 | Replaced battery chargers                                            | 2.20E-02                            |                                                           |         |      |                                         |
| Hope Creek             | 4.63E-05  | 3.38E-05 | 73                           | 4/95/-/2                                                                                  | Valve modifications                                                  | 3.4E-02                             |                                                           |         |      |                                         |
| LaSalle Units 1&2      | 4.74E-05  | 3.82E-05 | 80.6                         | 4/975/-/1                                                                                 | dc load shed, New batteries                                          | 9.60E-02                            | 1                                                         |         |      |                                         |
| Limerick Units 1&2     | 4.30E-06  | 1.0E-07  | NMN                          | 4/95/60/3                                                                                 | Upgraded cross-ties                                                  | 5.9E-02                             |                                                           |         |      |                                         |
| Monticello             | 2.60E-05  | 1.20E-05 | 46.2                         | 4/95/-/1                                                                                  | dc load shed                                                         | 7.90E-02                            |                                                           |         |      |                                         |
| Nine Mile Point Unit 1 | 5.50E-06  | 3.50E-06 | NMN                          | 4/975/-/1                                                                                 | dc load shed, added two safety related batteries                     | 5.00E-02                            | 4                                                         |         |      | 595                                     |
| Nine Mile Point Unit 2 | 3.10E-05  | 5.50E-06 | 17.7                         | 4/975/-/1                                                                                 | dc load shed                                                         | 1.20E-01                            |                                                           |         |      |                                         |

# Plant-Specific Station Blackout Information by Reactor Type and Operating Status

Table B-2 Operating boiling-water reactors (Cont.)

| Plant                           | Plant CDF | SBO CDF  | Percent SBO CDF of Plant CDF | Coping time in hours/EDG reliability/Aac access time in minutes/ extremely severe weather | Modification summary including dc load shed procedural modifications | SBO factors                         |                                                           |         |      |                                         |
|---------------------------------|-----------|----------|------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------|------|-----------------------------------------|
|                                 |           |          |                              |                                                                                           |                                                                      | PRA LOOP initiating event frequency | Number of LOOP events at power since commercial operation |         |      | LOOP event recovery times ≥ 240 minutes |
|                                 |           |          |                              |                                                                                           |                                                                      |                                     | Plant                                                     | Weather | Grid |                                         |
| Oyster Creek                    | 3.90E-06  | 2.30E-06 | NMN                          | 4/ 975/60/1                                                                               | Added crosstie & reactor pressure indication                         | 3.26E-02                            | 3                                                         |         |      | 240                                     |
| Peach Bottom Units 2 & 3        | 5.53E-06  | 4.81E-07 | 8.7                          | 8/ 975/60/3                                                                               | Cross-tie to hydro unit                                              | 5.9E-02                             |                                                           |         |      |                                         |
| Perry                           | 1.30E-05  | 2.25E-06 | 43.4                         | 4/ 95/10/1                                                                                | Replaced selected cables                                             | 6.09E-02                            |                                                           |         |      |                                         |
| Pilgrim                         | 5.80E-05  | 1.0E-10  | NMN                          | 8/ 975/10/4                                                                               | Alarms to line-up Aac                                                | 6.17E-01                            | 1                                                         | 5       |      | 1263<br>534                             |
| Quad Cities Units 1&2           | 1.2E-06   | 5.72E-07 | NMN                          | 4/ 95/60/1                                                                                | Added 2 DGs                                                          | 4.81E-02                            | 2                                                         |         |      |                                         |
| River Bend                      | 1.55E-05  | 1.35E-05 | 87.5                         | 4/ 95/-/2                                                                                 | Minor structural mod                                                 | 3.50E-02                            | 1                                                         |         |      |                                         |
| Susquehanna Units 1&2           | 1.7E-05   | 4.2E-11  | NMN                          | 4/ 975/-/2                                                                                | dc load shed                                                         | -                                   | 1                                                         |         |      |                                         |
| Vermont Yankee                  | 4.30E-06  | 9.17E-07 | 21.3                         | 8/ 975/10/4                                                                               | Modified incoming line and controls                                  | 1.0E-01                             | 2                                                         |         |      | 277                                     |
| Washington Nuclear Plant Unit 2 | 1.73E-05  | 1.07E-05 | 61.1                         | 4/ 95/-/1                                                                                 | dc load shed, replaced inverters                                     | 2.46E-02                            |                                                           |         |      |                                         |



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**From:** LIA02 Hoc  
**Sent:** Tuesday, March 15, 2011 12:52 PM  
**To:** Foggie, Kirk; Smith, Brooke; Monninger, John  
**Subject:** FYI RE Chuck Casto's blackberry

Greetings – I hope your flight to Japan was uneventful.

OIS has informed us that Chuck Casto's regular NRC blackberry likely will not work in Japan due to a miscommunication between OIS and Region II tech support. OIS says that your group is carrying a Japan-enabled blackberry for him (I hope this is the case). When he arrives, if his regular blackberry is indeed non-functional, can you please tell him to call the HOO and they will connect him to the right OIS person here (at any time, 24/7) so they can connect the Japan blackberry you guys are carrying?

Thanks!

---

**From:** LIA07 Hoc  
**Sent:** Tuesday, March 15, 2011 8:59 AM  
**To:** (b)(6) Ulses, Anthony; Casto, Chuck; Monninger, John;  
Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Foggie,  
Kirk; Smith, Brooke  
**Subject:** FW: 0730 EDT (March 15, 2011) USNRC Earthquake/Tsunami SitRep  
**Attachments:** USNRC Earthquake-Tsunami Update.031511.0730EDT.docx

You should all be on our standard distribution now. Here's a resend of the latest status update. Let us know if you need anything.

Thanks,

-Jim

Attached, please find a 0730 EDT situation report from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami on March 15, 2011. This Update includes information on the Fukushima Daiichi Units 2 and 4.

Please note that this information is "~~Official Use Only~~" and is only being shared within the federal family.

Please call the Headquarters Operations Officer at 301-816-5100 with questions.

-Jim

Jim Anderson  
Office of Nuclear Security and Incident Response  
US Nuclear Regulatory Commission  
[james.anderson@nrc.gov](mailto:james.anderson@nrc.gov)  
[LIA07.HOC@nrc.gov](mailto:LIA07.HOC@nrc.gov) (Operations Center)

---

**From:** Hipschman, Thomas  
**Sent:** Tuesday, March 15, 2011 8:54 AM  
**To:** Monninger, John  
**Subject:** Re: There are bagels in the kitchen

Have a crumpet. I will come and relieve you if you need it.

---

**From:** Monninger, John  
**To:** Warren, Roberta; Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Montes, David; Pace, Patti; Pearson, Laura  
**Sent:** Tue Mar 15 08:41:26 2011  
**Subject:** Re: There are bagels in the kitchen

Left Dulles at 1105 last night and arrived in London about 2 hours ago. Flight to Japan is delayed at least an hour.  
John Monninger

(b)(6)

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**From:** Warren, Roberta  
**To:** Monninger, John; Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Montes, David; Pace, Patti; Pearson, Laura  
**Sent:** Tue Mar 15 08:38:40 2011  
**Subject:** RE: There are bagels in the kitchen

Are you there yet????

Roberta S. Warren  
Policy Advisor for Security and Int'l Programs  
Office of the Chairman  
U.S. NRC  
(301) 415-8044

(b)(6)

(C)

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**From:** Monninger, John  
**Sent:** Tuesday, March 15, 2011 8:38 AM  
**To:** Speiser, Herald; Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Montes, David; Pace, Patti; Pearson, Laura; Warren, Roberta  
**Subject:** Re: There are bagels in the kitchen

Can you save one for me? I may be a little late.  
John Monninger

(b)(6)

---

**From:** Speiser, Herald  
**To:** Adler, James; Batkin, Joshua; Bradford, Anna; Clark, Lisa; Coggins, Angela; Dhir, Neha; Fopma, Melody; Gibbs, Catina; Hipschman, Thomas; Loyd, Susan; Marshall, Michael; Monninger, John; Montes, David; Pace, Patti; Pearson,

Laura; Speiser, Herald; Warren, Roberta  
**Sent:** Tue Mar 15 08:04:59 2011  
**Subject:** There are bagels in the kitchen

\*\*\*\*\*

**Herald M. Speiser - (301) 415-1830**  
**Administrative Assistant**  
**Office of the Chairman**  
**Nuclear Regulatory Commission**  
**11555 Rockville Pike**  
**Mailstop: O-16G4**  
**Rockville, MD 20852**

---

**From:** Devercelly, Richard  
**Sent:** Tuesday, March 15, 2011 7:16 AM  
**To:** Emche, Danielle; Casto, Chuck; Monninger, John; Foster, Jack; Kolb, Timothy; Nakanishi, Tony; Cook, William; Foggie, Kirk; Smith, Brooke  
**Subject:** RE: Japan team Action: Bios needed

Good Morning Danielle:

My apologies for not reading your e-mail sooner. My best shot bio is as follows:

For the last 5 years I have been an NRC Instructor of the BWR Technology at the Technical Training Center in Chattanooga, Tennessee. I am also a qualified and practicing NRC Licensed Operator Examiner.

1984 to 2006

- 10 years as an on shift licensed Senior Reactor Operator at 2 BWR-4 Power Plants (Vermont Yankee and James A. FitzPatrick). Responsibilities included day to day shift management of operating power plant maintenance surveillance and control activities.
- 12 years as Licensed or Certified Senior Reactor Operator Instructor at 3 BWR-4 Power Plants (above plus Brunswick). Responsibilities included simulator and classroom instruction of initial license operator candidates and licensed operator refresher training.

1976 to 1984

- US Navy Nuclear Machinist Mate and Engineering Laboratory Technician. Leading ELT on 1 637 class fast attack submarine. Main Propulsion Assistant on Submarine NR-1. Responsibilities on both included propulsion system maintenance, testing and operation as well as radiological and chemistry controls of the nuclear plant.

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**From:** Emche, Danielle  
**Sent:** Monday, March 14, 2011 2:56 PM  
**To:** Casto, Chuck; Monninger, John; Foster, Jack; Kolb, Timothy; Nakanishi, Tony; Devercelly, Richard; Cook, William; Foggie, Kirk; Smith, Brooke  
**Subject:** Japan team Action: Bios needed

Japan team:

While you are in Japan, I will be the Japan desk officer contact in the US. In preparation for your arrival and work, the NISA/JNES offices in Washington DC and Tokyo and US DOS are requesting your bios. Please send me this information soonest.

We also have briefing books that we are putting together for the group. John, Tim, Jack and Tony, please email me and let me know when you are leaving today or if you are coming in tomorrow so that you can pick up the briefing book. For Bill, Rich and Chuck, we will have others double up to bring your books on the flight. There may be some information that for ODO purposes we will send in email and won't include in the book.

**Danielle Emche**  
International Relations Specialist  
Office of International Programs  
US Nuclear Regulatory Commission

Tel.: 301-415-2644

BlackBerry (b)(6)

---

**From:** Coggins, Angela  
**Sent:** Tuesday, March 15, 2011 6:55 AM  
**To:** Monninger, John; Batkin, Joshua  
**Subject:** Re: Arrived London 6:30 EDT eom.

Glad you made it. Situation continues to evolve. Be safe!

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Tue Mar 15 06:53:18 2011  
Subject: Arrived London 6:30 EDT eom.

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Monday, March 14, 2011 10:35 PM  
**To:** Monninger, John  
**Subject:** Re: Get there asap...

Good. Fly like the wind.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Mon Mar 14 22:32:20 2011  
Subject: Re: Get there asap...

We are getting ready to Board. All hdqtrs staff are here.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Sent: Mon Mar 14 22:11:33 2011  
Subject: Get there asap...

Now there's been a hydrogen explosion followed by a spent fuel pool fire at unit 4 ongoing...

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



---

**From:** Nakanishi, Tony  
**Sent:** Monday, March 14, 2011 9:48 PM  
**To:** Emche, Danielle; Casto, Chuck; Monninger, John; Foster, Jack; Kolb, Timothy; Devercelly, Richard; Cook, William; Foggie, Kirk; Smith, Brooke  
**Subject:** RE: Japan team Action: Bios needed

Danielle,

My apologies for the quality of the bio...I am trying to get something down quick before my flight leaves.

Sorry I could not pick up the briefing book. If possible, please email it to me.

Bio:

"For the past four years, Tony Nakanishi has served as a reactor systems engineer in the Division of Safety Systems, NRR. His primary responsibility has been providing safety and regulatory reviews for BWR and PWR reactor systems and fuel related topics. Prior to joining NRC, he worked for General Electric Nuclear Energy for nine years in various engineering and project management roles supporting plant systems and fuel safety analysis projects. He has a B.S. in Nuclear Engineering from University of California, Berkeley."

---

**From:** Emche, Danielle  
**Sent:** Monday, March 14, 2011 2:56 PM  
**To:** Casto, Chuck; Monninger, John; Foster, Jack; Kolb, Timothy; Nakanishi, Tony; Devercelly, Richard; Cook, William; Foggie, Kirk; Smith, Brooke  
**Subject:** Japan team Action: Bios needed

Japan team:

While you are in Japan, I will be the Japan desk officer contact in the US. In preparation for your arrival and work, the NISA/JNES offices in Washington DC and Tokyo and US DOS are requesting your bios. Please send me this information soonest.

We also have briefing books that we are putting together for the group. John, Tim, Jack and Tony, please email me and let me know when you are leaving today or if you are coming in tomorrow so that you can pick up the briefing book. For Bill, Rich and Chuck, we will have others double up to bring your books on the flight. There may be some information that for ODO purposes we will send in email and won't include in the book.

**Danielle Emche**  
International Relations Specialist  
Office of International Programs  
US Nuclear Regulatory Commission  
Tel.: 301-415-2644  
BlackBerry (b)(6)

---

**From:** Nakanishi, Tony  
**Sent:** Monday, March 14, 2011 9:35 PM  
**To:** Monninger, John  
**Subject:** RE: Travel and thoughts

Hi John,  
Will be right there as soon as I get something out for my bio.  
Tony

---

From: Monninger, John  
Sent: Monday, March 14, 2011 9:30 PM  
To: Casto, Chuck; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Ulses, Anthony; Trapp, James; Smith, Brooke; Foggie, Kirk  
Cc: Virgilio, Martin; Borchardt, Bill; LIA10 Hoc  
Subject: Re: Travel and thoughts

I'm at Dulles gate C14 if anyone wants to get together and chat.

John Monninger

(b)(6)

----- Original Message -----

From: Casto, Chuck  
To: Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Ulses, Anthony; Trapp, James; Smith, Brooke; Foggie, Kirk  
Cc: Virgilio, Martin; Borchardt, Bill; LIA10 Hoc  
Sent: Mon Mar 14 21:21:10 2011  
Subject: Travel and thoughts

Folks, i don't know if and when you might get this email, but here's some thoughts for our work.

Let me know if you need anything. The Chairman and EDO are fully supporting our needs and they clearly expressed that to me.

We are to support the Ambassador in all ways possible.

My flight may be the last to arrive. Seemingly the logistics from Atlanta are difficult. I am on a flight to Dallas now.

Let's think about organization of the team. It seems to me that we need a reactor safety team, protective measures, recovery/severe accident, and liaison team.

First we need briefings by Jim and Tony. Then a briefing by the host. Plus we need an operations center or place to work from. I believe that we have some KI but might need more.

Please think about who is on what group, i.e. Team. Then we probably need to reach back to resources in the US. For instance we may want to set up a bridge with general electric, INPO, and other technical groups.

For the protective measures team let's think about reaching back to DOE/FERMAC for advice.

You get my point. While I don't know the organizational situation over there, absent any other arrangement, let's form teams like we would in the US, and reach back to our counterparts, both federal and industry to accomplish our work. I would suggest using the Hoo Liaison team for coordination. We need to leverage all assets for maximum effect.

John I would suggest that you work with Brooke and Kirk.

Those are merely initial thoughts and suggestions. I know it will likely change immediately upon arrival.

I am anxious to get there and work with this break group and our counterparts back home.

See you soon.

Chuck

---

**From:** Smith, Brooke  
**Sent:** Monday, March 14, 2011 9:31 PM  
**To:** Monninger, John  
**Subject:** Re: Travel and thoughts

We are almost at the airport.

Sent from an NRC Blackberry.  
Brooke G. Smith

(b)(6)

----- Original Message -----

**From:** Monninger, John  
**To:** Casto, Chuck; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Ulses, Anthony; Trapp, James; Smith, Brooke; Foggie, Kirk  
**Cc:** Virgilio, Martin; Borchardt, Bill; LIA10 Hoc  
**Sent:** Mon Mar 14 21:30:02 2011  
**Subject:** Re: Travel and thoughts

I'm at Dulles gate C14 if anyone wants to get together and chat.

John Monninger

(b)(6)

----- Original Message -----

**From:** Casto, Chuck  
**To:** Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Cook, William; Devercelly, Richard; Ulses, Anthony; Trapp, James; Smith, Brooke; Foggie, Kirk  
**Cc:** Virgilio, Martin; Borchardt, Bill; LIA10 Hoc  
**Sent:** Mon Mar 14 21:21:10 2011  
**Subject:** Travel and thoughts

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First we need briefings by Jim and Tony. Then a briefing by the host. Plus we need an operations center or place to work from. I believe that we have some KI but might need more.

Please think about who is on what group, i.e. Team. Then we probably need to reach back to resources in the US. For instance we may want to set up a bridge with general electric, INPO, and other technical groups.

For the protective measures team let's think about reaching back to DOE/FERMAC for advice.

You get my point. While I don't know the organizational situation over there, absent any other arrangement, let's form teams like we would in the US, and reach back to our counterparts, both federal and industry to accomplish our work. I would suggest using the Hoo Liaison team for coordination. We need to leverage all assets for maximum effect.

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Those are merely initial thoughts and suggestions. I know it will likely change immediately upon arrival.

I am anxious to get there and work with this break group and our counterparts back home.

See you soon.

Chuck

---

**From:** Mamish, Nader  
**Sent:** Monday, March 14, 2011 9:00 PM  
**To:** Monninger, John  
**Subject:** RE: CONTACT FROM USAID

Great news - have a safe trip!

-----Original Message-----

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 7:21 PM  
**To:** LIA03 Hoc; Ramsey, Jack; Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith, Brooke; Casto, Chuck; Foster, Jack; Devercelly, Richard; Cook, William  
**Cc:** Doane, Margaret; Mamish, Nader; LIA02 Hoc; Leeds, Eric; Boger, Bruce; Trapp, James; Ulises, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon; Kozal, Jason; (b)(6)  
**Subject:** RE: CONTACT FROM USAID

I received my e-ticket and heading to Dulles by 2000 for 2305 United Flight 0924 to London, connecting to British Airways 0005.

Many thanks,  
John Monninger

-----Original Message-----

**From:** LIA03 Hoc  
**Sent:** Monday, March 14, 2011 6:08 PM  
**To:** Ramsey, Jack; Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith, Brooke; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard; Cook, William  
**Cc:** Doane, Margaret; Mamish, Nader; LIA02 Hoc; Leeds, Eric; Boger, Bruce; Trapp, James; Ulises, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon; Kozal, Jason; (b)(6)  
**Subject:** CONTACT FROM USAID

Mike Dudek and Jason Kozal will be contacting you about travel arrangements tonight to Tokyo.

-----Original Message-----

**From:** Ramsey, Jack  
**Sent:** Monday, March 14, 2011 5:37 PM  
**To:** Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith, Brooke; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard; Cook, William  
**Cc:** Doane, Margaret; Mamish, Nader; LIA02 Hoc; LIA03 Hoc; Leeds, Eric; Boger, Bruce; Trapp, James; Ulises, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon  
**Subject:** RE: 8 NRC people to Japan ASAP  
**Importance:** High

NRC folks,

Apologies for any confusion. As you can tell by the exchange of messages with the NSC and DOD, we're exploring all possible angles on how to get you to Japan as quickly and efficiently as possible.

I understand that USAID is making your travel arrangements. Best guess is that the WashDC folks will be on a flight (maybe British Air) that leaves Dulles around 23:00 or so (plus or minus a little). There will be a connection through London Heathrow, then on to Tokyo. We don't have any insight on what USAID might arrange for the non-WashDC folks.

Either way, please coordinate through the International Liaison desk at the Ops Center (301-816-5192).

Jack

-----Original Message-----

From: Nakanishi, Tony

Sent: Monday, March 14, 2011 5:25 PM

To: [REDACTED] (b)(6)

[REDACTED] (b)(6)

Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

Subject: RE: 8 NRC people to Japan ASAP

I can also make it to any DC airport before 2200.

Tony Nakanishi

-----Original Message-----

From: Kolb, Timothy

Sent: Monday, March 14, 2011 5:22 PM

To: [REDACTED] (b)(6)

[REDACTED] (b)(6)

Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

Subject: RE: 8 NRC people to Japan ASAP

I can make it to any DC airport before 2200. Just need to know which one and which flight.

Tim Kolb

From: Zerr, Thomas J. [REDACTED] (b)(6)

Sent: Monday, March 14, 2011 5:11 PM

To (b)(6)

(b)(6)

Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

Subject: Re: 8 NRC people to Japan ASAP

If I did my conversion right it looks like we will not make the Nellis flight.

So I would ask the NRC to get their nine to DC as soon as possible. If my expedia search is right I think they all could make it here by about 2200 assuming they all close to their airports. NRC-pls let us know when you can get everyone here.

From there we will see what DOD can support out of the DC area. Under this model we will be positioned for the comm air option and anything DOD can support.

TJ

----- Original Message -----

From: Tidd, Kurt W RADM JCS VDJ-3 (b)(6)

To (b)(6)

(b)(6)

Cc: Wormuth, Christine; TaskForce1Mailbox@state.gov <TaskForce1Mailbox@state.gov>; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Margaret.Doane@nrc.gov <Margaret.Doane@nrc.gov>; Nader.Mamish@nrc.gov <Nader.Mamish@nrc.gov>; Kirk.Foggie@nrc.gov <Kirk.Foggie@nrc.gov>; Brooke.Smith@nrc.gov <Brooke.Smith@nrc.gov>; LIA02.Hoc@nrc.gov <LIA02.Hoc@nrc.gov>; LIA03.Hoc@nrc.gov <LIA03.Hoc@nrc.gov>; Jane.Marshall@nrc.gov <Jane.Marshall@nrc.gov>; Chuck.Casto@nrc.gov <Chuck.Casto@nrc.gov>; John.Monninger@nrc.gov <John.Monninger@nrc.gov>; Tony.Nakanishi@nrc.gov <Tony.Nakanishi@nrc.gov>; Timothy.Kolb@nrc.gov <Timothy.Kolb@nrc.gov>; Jack.Foster@nrc.gov <Jack.Foster@nrc.gov>; Richard.Devercelly@nrc.gov <Richard.Devercelly@nrc.gov>; Glenn.Tracy@nrc.gov <Glenn.Tracy@nrc.gov>; Eric.Leeds@nrc.gov <Eric.Leeds@nrc.gov>; Bruce.Boger@nrc.gov <Bruce.Boger@nrc.gov>; James.Trapp@nrc.gov <James.Trapp@nrc.gov>; Anthony.Ulses@nrc.gov <Anthony.Ulses@nrc.gov>; Mary.Carter@nrc.gov



<Mary.Carter@nrc.gov>; Danielle.Emche@nrc.gov <Danielle.Emche@nrc.gov>; Andrea.Jones2@nrc.gov  
<Andrea.Jones2@nrc.gov>; Jennifer.Schwartzman@nrc.gov <Jennifer.Schwartzman@nrc.gov>; William.Cook@nrc.gov  
<William.Cook@nrc.gov>; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.; Swift, Scott H RADM  
PACOM, J3 (b)(6)  
Sent: Mon Mar 14 16:51:00 2011  
Subject: RE: 8 NRC people to Japan ASAP

TJ -- ensure ALCON know/understand that this TRANSCOM planning remains TENTATIVE until positively confirmed. A lot of moving pieces here, so we MOST STRONGLY recommend NRC retain their commercial air plans. It will be a challenge for NRC folks to get to Vegas, then over to Nellis, and we do not intend to hold up the flight for them. For the moment, here is what the DOE lift looks like:

Mission Number: PJM112471073-  
C-17 alert NLT 14/1800Z  
Dep Travis AFB CA (KSUU) 14/2100Z  
Arr/Dep Nellis AFB NV (KLSV) - 14/2200Z - 15/0045Z Arr/Dep Elmendorf AFB for gas (PAED) - 15/0545Z - 15/0730Z Arr  
Yokota AFB Japan (RJTY) - 15/1545Z

Please stress again -- this flight sked remains TENTATIVE!! We've got a bunch of folks scrambling hard to make it happen, but please remain flexible.

\*\*\*\*\*

RADM Kurt W. Tidd, USN  
Vice Director for Operations, J3  
3000 Joint Staff Pentagon  
Rm 2D882  
Washington DC 20318-3000  
Tel: (703) 695-0987  
DSN: 225-0987  
Fax: (703) 614-1755  
Red Switch: 80-228-2247  
Blackberry: (b)(6)  
Email: (b)(6)  
SIPR: (b)(6)

-----Original Message-----

From: Zerr, Thomas J. [mailto:(b)(6)]  
Sent: Monday, March 14, 2011 4:42 PM  
To: Tidd, Kurt W RADM JCS VDJ-3; Gallagher, Shawn P. (b)(6); 'Jack.Ramsey@nrc.gov';  
'Charlotte.Abrams@nrc.gov'; Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; (b)(6);  
(b)(6); Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS  
J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3;  
NJOIC BATTLE CAPTAIN JCS J3; NJOIC JLOC OFFICER JCS J3; Kremer, Kyle Col JCS J4 DISTRIBUTION; NMCC DDO; CMT  
Team Chief JCS; Trussler, Jeffrey E CAPT JCS J3; Carey, Michael Brig Gen JCS J3/NMCC; Basham, Steven L Col JCS  
J3/NMCC; (b)(6); 'Joseph.Krol@nnsa.doe.gov'; Faulkner, William BGen JCS J4 J-4 FRONT OFFICE  
Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.;  
'Margaret.Doane@nrc.gov'; 'Nader.Mamish@nrc.gov'; 'Kirk.Foggie@nrc.gov'; 'Brooke.Smith@nrc.gov';  
'LIA02.Hoc@nrc.gov'; 'LIA03.Hoc@nrc.gov'; 'Jane.Marshall@nrc.gov'; 'Chuck.Casto@nrc.gov';  
'John.Monninger@nrc.gov'; 'Tony.Nakanishi@nrc.gov'; 'Timothy.Kolb@nrc.gov'; 'Jack.Foster@nrc.gov';  
'Richard.Devercelly@nrc.gov'; 'Glenn.Tracy@nrc.gov'; 'Eric.Leeds@nrc.gov'; 'Bruce.Boger@nrc.gov';

'James.Trapp@nrc.gov'; 'Anthony.Ulises@nrc.gov'; 'Mary.Carter@nrc.gov'; 'Danielle.Emche@nrc.gov';  
'Andrea.Jones2@nrc.gov'; 'Jennifer.Schwartzman@nrc.gov'; 'William.Cook@nrc.gov'; Baden, Tim; Dolan, Edward M.;  
Donnell, Charles D.; Gelman, Jeffrey D.  
Subject: Re: 8 NRC people to Japan ASAP

Thanks Admiral.

NRC-Once we get TRANSCOM flight data we will need to move quick to see if we can get your nine to the launch point in time.

As previously stated please keep planning to execute the commercial flight option if the mil air ends up not working out.

TJ

----- Original Message -----

From: Tidd, Kurt W RADM JCS VDJ-3 (b)(6)

To (b)(6)

(b)(6)

Cc: Wormuth, Christine; TaskForce1Mailbox@state.gov <TaskForce1Mailbox@state.gov>; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret <Margaret.Doane@nrc.gov>; Mamish, Nader <Nader.Mamish@nrc.gov>; Foggie, Kirk <Kirk.Foggie@nrc.gov>; Smith, Brooke <Brooke.Smith@nrc.gov>; LIA02 Hoc <LIA02.Hoc@nrc.gov>; LIA03 Hoc <LIA03.Hoc@nrc.gov>; Marshall, Jane <Jane.Marshall@nrc.gov>; Casto, Chuck <Chuck.Casto@nrc.gov>; Monninger, John <John.Monninger@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>; Kolb, Timothy <Timothy.Kolb@nrc.gov>; Foster, Jack <Jack.Foster@nrc.gov>; Devercelly, Richard <Richard.Devercelly@nrc.gov>; Tracy, Glenn <Glenn.Tracy@nrc.gov>; Leeds, Eric <Eric.Leeds@nrc.gov>; Boger, Bruce <Bruce.Boger@nrc.gov>; Trapp, James <James.Trapp@nrc.gov>; Ulises, Anthony <Anthony.Ulises@nrc.gov>; Carter, Mary <Mary.Carter@nrc.gov>; Emche, Danielle <Danielle.Emche@nrc.gov>; Jones, Andrea <Andrea.Jones2@nrc.gov>; Schwartzman, Jennifer <Jennifer.Schwartzman@nrc.gov>; Cook, William <William.Cook@nrc.gov>; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.; Hepburn, Matthew; Kamoie, Brian E.; Kern, Dab; Kim, Paul; Landau, Zachary L.; Marcozzi, David E.; Mecher, Carter E.; Panketh, Eric J.  
(NSC); Reed, Richard A.; Tribble, Ahsha; Zelvin, Lawrence K.; Holgate, Laura  
Sent: Mon Mar 14 16:32:13 2011  
Subject: RE: 8 NRC people to Japan ASAP

TJ -- we're moving DOE AMS and Consequence Management teams as quickly as we can spool up the lift; have looped in our POC's on the cc line. Would not recommend delaying any flights while we await the NRC personnel, but if there's room, and if they can get themselves to the lift site (Nellis AFB - Las Vegas), we have SECDEF authorization to carry non-DOD personnel in support of this crisis.

JLOC -- As soon as we have the TRANSCOM flight info, please push toalcon and we'll see if we can provide an alternative to commercial air. Again, unless otherwise directed, recommend we not hold up the DOE flights, but if we can kill two birds, let's do it.

\*\*\*\*\*

RADM Kurt W. Tidd, USN  
Vice Director for Operations, J3  
3000 Joint Staff Pentagon  
Rm 2D882  
Washington DC 20318-3000  
Tel: (703) 695-0987  
DSN: 225-0987  
Fax: (703) 614-1755  
Red Switch: 80-228-2247  
Blackberry: (b)(6)  
Email: (b)(6)  
SIPR: (b)(6)

-----Original Message-----

From: Gallagher, Shawn P. [mailto:(b)(6)]  
Sent: Monday, March 14, 2011 4:05 PM  
To: 'Clark, Ngoc CIV OSD POLICY'; 'Ramsey, Jack'; Abrams, Charlotte; Zerr, Thomas J.; Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3; NJOIC JLOC OFFICER JCS J3; Kremer, Kyle Col JCS J4 DISTRIBUTION  
Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.; Hepburn, Matthew; Kamoie, Brian E.; Kern, Dab; Kim, Paul; Landau, Zachary L.; Marcozzi, David E.; Mecher, Carter E.; Panketh, Eric J. (NSC); Reed, Richard A.; Tribble, Ahsha; Zelvin, Lawrence K.; Holgate, Laura  
Subject: RE: 8 NRC people to Japan ASAP

Again looping in resilience here at NSC. Thanks all!

-----Original Message-----

From: Clark, Ngoc CIV OSD POLICY [mailto:(b)(6)]  
Sent: Monday, March 14, 2011 3:58 PM  
To: 'Ramsey, Jack'; Abrams, Charlotte; Zerr, Thomas J.; Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3; NJOIC JLOC OFFICER JCS J3; Kremer, Kyle Col JCS J4 DISTRIBUTION  
Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Gallagher, Shawn P.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds,

Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William  
Subject: RE: 8 NRC people to Japan ASAP

Looping in J-4 colleagues with the details of the request.

Ms. Ngoc Clark  
Foreign Affairs Specialist

Humanitarian Assistance, Disaster Relief, and Global Health Directorate Office of Partnership Strategy & Stability Operations (PSO)  
OUSD(Policy) - SO/LIC & IC  
5C653  
703-692-0122

-----Original Message-----

From: Ramsey, Jack [mailto:Jack.Ramsey@nrc.gov]

Sent: Monday, March 14, 2011 3:54 PM

To: Abrams, Charlotte; (b)(6); Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3

Cc: (b)(6); 'TaskForce1Mailbox@state.gov'; (b)(6)

(b)(6); Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William  
Subject: RE: 8 NRC people to Japan ASAP

All,

As the message below indicates, we now have an additional person (for a total of 9) from our regional office outside Philadelphia.

Jack Ramsey

-----Original Message-----

From: Abrams, Charlotte

Sent: Monday, March 14, 2011 3:52 PM

To: (b)(6)  
(b)(6)

Cc: (b)(6); 'TaskForce1Mailbox@state.gov'; (b)(6);

(b)(6) Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer  
Subject: Re: 8 NRC people to Japan ASAP

Also Bill Cook from RI

Sent from my nrc blackberry. Charlotte Abram: (b)(6)

----- Original Message -----

From: Ramsey, Jack

To: (b)(6)

(b)(6)

Cc: Wormuth, Christine (b)(6); TaskForce1Mailbox@state.gov

<TaskForce1Mailbox@state.gov>; Russel, Daniel R. (b)(6); Duncan, Shawn H.

(b)(6); Gallagher, Shawn P.

(b)(6); Bentz, Julie A.

(b)(6); Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer

Sent: Mon Mar 14 15:48:03 2011

Subject: RE: 8 NRC people to Japan ASAP

All,

To summarize, the Nuclear Regulatory Commission has been requested by the Japanese government to supplement our staffing at the US Embassy in Tokyo (we currently have two staff there). In response, we have identified 8 NRC staff for this. We have 6 staff from WashDC (John Monninger, Tony Nakanishi, Tim Kolb, Jack Foster, Brooke Smith and Kirk Foggie), 1 from Atlanta (Chuck Casto) and 1 from Chattanooga (Richard Devercelly). The earliest commercial flights that are available are around 13:00 EDT tomorrow (Tuesday). Obviously, we'd like to get them there earlier if at all possible. This is what prompted the question on whether DOD and/or other appropriate assets might be available.

For coordination purposes, the International Liaison Team at NRC's Emergency Operations Center will be lead for this. E-mail addresses there are lia02.hoc@nrc.gov and lia03.hoc@nrc.gov, with direct phone line of (301) 816-5192 (this is a recorded line). In the event of any communication issues, please call the main number for NRC's Emergency Operation Center on (301) 816-5100 and ask for International Liaison.

Please also note that the NRC team has been cc'ed on this message.

Thanks to everyone for looking at this.

Jack Ramsey

-----Original Message-----

From: Zerr, Thomas J. [mailto:(b)(6)]

Sent: Monday, March 14, 2011 3:25 PM

To: Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT

JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3  
Cc: Ramsey, Jack; Wormuth, Christine; TaskForce1Mailbox@state.gov; Russel, Daniel R.; Duncan, Shawn H.; Gallagher, Shawn P.; Bentz, Julie A.  
Subject: RE: 8 NRC people to Japan ASAP

+TF-1 mailbox for appropriate State loop in.

-----Original Message-----

From: Zerr, Thomas J. [mailto: (b)(6)]  
Sent: Monday, March 14, 2011 2:58 PM  
To: Hulley, Paul, SES, OSD-POLICY; Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3  
Cc: 'Ramsey, Jack'  
Subject: FW: 8 NRC people to Japan ASAP

All-

I have discussed this on the phone with Paul and Todd. Needless to say the request is hot and getting big brains on the reactor issues out there soonest is critical given the situation at the plants.

Please inform if this request should go via a different path you can identify for me; or if this group can facilitate getting a DOD response to this request.

Jack-Please confirm the status of passports on these folks. Also I would continue to pursue any other transportation options outside of DOD so we don't lose any time.

TJ

From: Gallagher, Shawn P.  
Sent: Monday, March 14, 2011 2:46 PM  
To: 'Ramsey, Jack'; Zerr, Thomas J.; Bentz, Julie A.  
Subject: 8 NRC people to Japan ASAP

Jack, per our conversation TJ is calling over to DOD. Wanted to connect everyone via email so we can report status.

Julie, to bring you up to speed, the Japanese requested more NRC support and NRC identified 8 people to go on an immediate basis. Earliest commercial flight isn't until 1:00 tomorrow. TJ is finding out if there a mil air option.

Locations of individuals are 6 in DC, 1 in Atlanta, 1 in Chattanooga.  
All are currently packing and awaiting orders

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 7:38 PM  
**To:** Emche, Danielle; Casto, Chuck; Foster, Jack; Kolb, Timothy; Nakanishi, Tony; Devercelly, Richard; Cook, William; Foggie, Kirk; Smith, Brooke  
**Subject:** RE: Japan team Action: Bios needed  
**Attachments:** Short Bio Monninger 2011.docx; Monninger\_John02.jpg

Danielle,

See attached short bio and photo.

John Monninger

---

**From:** Emche, Danielle  
**Sent:** Monday, March 14, 2011 2:56 PM  
**To:** Casto, Chuck; Monninger, John; Foster, Jack; Kolb, Timothy; Nakanishi, Tony; Devercelly, Richard; Cook, William; Foggie, Kirk; Smith, Brooke  
**Subject:** Japan team Action: Bios needed

Japan team:

While you are in Japan, I will be the Japan desk officer contact in the US. In preparation for your arrival and work, the NISA/JNES offices in Washington DC and Tokyo and US DOS are requesting your bios. Please send me this information soonest.

We also have briefing books that we are putting together for the group. John, Tim, Jack and Tony, please email me and let me know when you are leaving today or if you are coming in tomorrow so that you can pick up the briefing book. For Bill, Rich and Chuck, we will have others double up to bring your books on the flight. There may be some information that for OOU purposes we will send in email and won't include in the book.

**Danielle Emche**

International Relations Specialist  
Office of International Programs  
US Nuclear Regulatory Commission  
Tel.: 301-415-2644  
BlackBerry: (b)(6)







John D. Monninger, Deputy Chief of Staff, Office of the Chairman

Mr. Monninger is the Deputy Chief of Staff to Chairman Jaczko. He has been with the U.S. Nuclear Regulatory Commission for the past 22 years, primarily responsible for conducting and managing the safety and engineering reviews of nuclear power plants. Prior to his current position, he was the Deputy Director of Division of Safety Systems and Risk Assessment in NRC's Office of New Reactor, and the Deputy Director of the Division of Risk Assessment in NRC's Office of Nuclear Regulatory Research. He joined the NRC in 1989 as a reactor engineer in NRC's Office of Nuclear Reactor Regulation and performed technical reviews of containment and auxiliary systems, and analysis of severe accidents for operating nuclear power plants. He also directed the licensing and safety reviews for independent spent fuel storage installations and radioactive material transportation packages. He currently serves as a one of the Reactor Safety Team Directors for the NRC's Incident Response Center.

---

**From:** Michael Dudek <(b)(6)>  
**Sent:** Monday, March 14, 2011 7:29 PM  
**To:** Monninger, John  
**Subject:** Re: CONTACT FROM USAID

Glad to hear that you have received what you need. If you have additional questions, please let me know.  
Michael

Sent from my iPhone

On Mar 14, 2011, at 7:20 PM, "Monninger, John" <John.Monninger@nrc.gov> wrote:

> I received my e-ticket and heading to Dulles by 2000 for 2305 United Flight 0924 to London, connecting to British Airways 0005.

>

> Many thanks,

> John Monninger

>

> -----Original Message-----

> From: LIA03 Hoc

> Sent: Monday, March 14, 2011 6:08 PM

> To: Ramsey, Jack; Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith,

> Brooke; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly,

> Richard; Cook, William

> Cc: Doane, Margaret; Mamish, Nader; LIA02 Hoc; Leeds, Eric; Boger,

> Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle;

> Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon; Kozal, Jason;

> (b)(6)

> Subject: CONTACT FROM USAID

>

> Mike Dudek and Jason Kozal will be contacting you about travel arrangements tonight to Tokyo.

>

> -----Original Message-----

> From: Ramsey, Jack

> Sent: Monday, March 14, 2011 5:37 PM

> To: Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith, Brooke;

> Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard;

> Cook, William

> Cc: Doane, Margaret; Mamish, Nader; LIA02 Hoc; LIA03 Hoc; Leeds, Eric;

> Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche,

> Danielle; Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon

> Subject: RE: 8 NRC people to Japan ASAP

> Importance: High

>

> NRC folks,

>

> Apologies for any confusion. As you can tell by the exchange of messages with the NSC and DOD, we're exploring all possible angles on how to get you to Japan as quickly and efficiently as possible.

>  
> I understand that USAID is making your travel arrangements. Best guess is that the WashDC folks will be on a flight (maybe British Air) that leaves Dulles around 23:00 or so (plus or minus a little). There will be a connection through London Heathrow, then on to Tokyo. We don't have any insight on what USAID might arrange for the non-WashDC folks.

>  
> Either way, please coordinate through the International Liaison desk at the Ops Center (301-816-5192).

>  
> Jack

>  
> -----Original Message-----

> From: Nakanishi, Tony

> Sent: Monday, March 14, 2011 5:25 PM

> [REDACTED] (b)(6)

[REDACTED] (b)(6)

> Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

> Subject: RE: 8 NRC people to Japan ASAP

>  
> I can also make it to any DC airport before 2200.

> Tony Nakanishi

>  
> -----Original Message-----

> From: Kolb, Timothy

> Sent: Monday, March 14, 2011 5:22 PM

> To [REDACTED] (b)(6)

[REDACTED] (b)(6)

> Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

> Subject: RE: 8 NRC people to Japan ASAP

>  
> I can make it to any DC airport before 2200. Just need to know which one and which flight.

> Tim Kolb

> \_\_\_\_\_

> From: Zerr, Thomas J. [ (b)(6) ]

> Sent: Monday, March 14, 2011 5:11 PM

> To: (b)(6)

(b)(6)

> Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

> Subject: Re: 8 NRC people to Japan ASAP

>

> If I did my conversion right it looks like we will not make the Nellis flight.

>

> So I would ask the NRC to get their nine to DC as soon as possible. If my expedite search is right I think they all could make it here by about 2200 assuming they all close to their airports. NRC-pls let us know when you can get everyone here.

>

> From there we will see what DOD can support out of the DC area. Under this model we will be positioned for the comm air option and anything DOD can support.

> TJ

>

> ----- Original Message -----

> From: Tidd, Kurt W RADM JCS VDJ-3 [ (b)(6) ]

> To: (b)(6)

(b)(6)

> Cc: Wormuth, Christine; TaskForce1Mailbox@state.gov  
 > <TaskForce1Mailbox@state.gov>; Russel, Daniel R.; Duncan, Shawn H.;  
 > Bentz, Julie A.; Margaret.Doane@nrc.gov <Margaret.Doane@nrc.gov>;  
 > Nader.Mamish@nrc.gov <Nader.Mamish@nrc.gov>; Kirk.Foggie@nrc.gov  
 > <Kirk.Foggie@nrc.gov>; Brooke.Smith@nrc.gov <Brooke.Smith@nrc.gov>;  
 > LIA02.Hoc@nrc.gov <LIA02.Hoc@nrc.gov>; LIA03.Hoc@nrc.gov  
 > <LIA03.Hoc@nrc.gov>; Jane.Marshall@nrc.gov <Jane.Marshall@nrc.gov>;  
 > Chuck.Casto@nrc.gov <Chuck.Casto@nrc.gov>; John.Monninger@nrc.gov  
 > <John.Monninger@nrc.gov>; Tony.Nakanishi@nrc.gov  
 > <Tony.Nakanishi@nrc.gov>; Timothy.Kolb@nrc.gov <Timothy.Kolb@nrc.gov>;  
 > Jack.Foster@nrc.gov <Jack.Foster@nrc.gov>; Richard.Devercelly@nrc.gov  
 > <Richard.Devercelly@nrc.gov>; Glenn.Tracy@nrc.gov  
 > <Glenn.Tracy@nrc.gov>; Eric.Leeds@nrc.gov <Eric.Leeds@nrc.gov>;  
 > Bruce.Boger@nrc.gov <Bruce.Boger@nrc.gov>; James.Trapp@nrc.gov  
 > <James.Trapp@nrc.gov>; Anthony.Ulises@nrc.gov <Anthony.Ulises@nrc.gov>;  
 > Mary.Carter@nrc.gov <Mary.Carter@nrc.gov>; Danielle.Emche@nrc.gov  
 > <Danielle.Emche@nrc.gov>; Andrea.Jones2@nrc.gov  
 > <Andrea.Jones2@nrc.gov>; Jennifer.Schwartzman@nrc.gov  
 > <Jennifer.Schwartzman@nrc.gov>; William.Cook@nrc.gov  
 > <William.Cook@nrc.gov>; Baden, Tim; Dolan, Edward M.; Donnell, Charles  
 > D.; Gelman, Jeffrey D.; Swift, Scott H RADM PACOM, J3

(b)(6)

> Sent: Mon Mar 14 16:51:00 2011  
 > Subject: RE: 8 NRC people to Japan ASAP  
 >  
 > TJ -- ensure ALCON know/understand that this TRANSCOM planning remains  
 > TENTATIVE until positively confirmed. A lot of moving pieces here, so  
 > we MOST STRONGLY recommend NRC retain their commercial air plans. It  
 > will be a challenge for NRC folks to get to Vegas, then over to  
 > Nellis, and we do not intend to hold up the flight for them. For the  
 > moment, here is what the DOE lift looks like:  
 >  
 > Mission Number: PJM112471073-  
 > C-17 alert NLT 14/1800Z  
 > Dep Travis AFB CA (KSUU) 14/2100Z  
 > Arr/Dep Nellis AFB NV (KLSV) - 14/2200Z - 15/0045Z Arr/Dep Elmendorf  
 > AFB for gas (PAED) - 15/0545Z - 15/0730Z Arr Yokota AFB Japan (RJTY) -  
 > 15/1545Z  
 >  
 > Please stress again -- this flight sked remains TENTATIVE!! We've got  
 > a bunch of folks scrambling hard to make it happen, but please remain  
 > flexible.  
 >  
 >  
 > \*\*\*\*\*  
 > RADM Kurt W. Tidd, USN  
 > Vice Director for Operations, J3  
 > 3000 Joint Staff Pentagon  
 > Rm 2D882  
 > Washington DC 20318-3000  
 > Tel: (703) 695-0987  
 > DSN: 225-0987

> Fax: (703) 614-1755

> Red Switch: 80-228-2247

> Blackberry: (b)(6)

> Email: (b)(6)

> SIPR: (b)(6)

>

>

> -----Original Message-----

> From: Zerr, Thomas J. [mailto:(b)(6)]

> Sent: Monday, March 14, 2011 4:42 PM

> To: (b)(6)

(b)(6)

> Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel

> R.; Duncan, Shawn H.; Bentz, Julie A.; 'Margaret.Doane@nrc.gov';

> 'Nader.Mamish@nrc.gov'; 'Kirk.Foggie@nrc.gov'; 'Brooke.Smith@nrc.gov';

> 'LIA02.Hoc@nrc.gov'; 'LIA03.Hoc@nrc.gov'; 'Jane.Marshall@nrc.gov';

> 'Chuck.Casto@nrc.gov'; 'John.Monninger@nrc.gov';

> 'Tony.Nakanishi@nrc.gov'; 'Timothy.Kolb@nrc.gov';

> 'Jack.Foster@nrc.gov'; 'Richard.Devercelly@nrc.gov';

> 'Glenn.Tracy@nrc.gov'; 'Eric.Leeds@nrc.gov'; 'Bruce.Boger@nrc.gov';

> 'James.Trapp@nrc.gov'; 'Anthony.Ulses@nrc.gov'; 'Mary.Carter@nrc.gov';

> 'Danielle.Emche@nrc.gov'; 'Andrea.Jones2@nrc.gov';

> 'Jennifer.Schwartzman@nrc.gov'; 'William.Cook@nrc.gov'; Baden, Tim;

> Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

> Subject: Re: 8 NRC people to Japan ASAP

>

> Thanks Admiral.

>

> NRC-Once we get TRANSCOM flight data we will need to move quick to see

> if we can get your nine to the launch point in time.

>

> As previously stated please keep planning to execute the commercial

> flight option if the mil air ends up not working out.

>

> TJ

>

>

> ----- Original Message -----

> From: Tidd, Kurt W RADM JCS VDJ-3 <(b)(6)>

> To: (b)(6)

(b)(6)

(b)(6)

> Cc: Wormuth, Christine; TaskForce1Mailbox@state.gov  
> <TaskForce1Mailbox@state.gov>; Russel, Daniel R.; Duncan, Shawn H.;  
> Bentz, Julie A.; Doane, Margaret <Margaret.Doane@nrc.gov>; Mamish,  
> Nader <Nader.Mamish@nrc.gov>; Foggie, Kirk <Kirk.Foggie@nrc.gov>;  
> Smith, Brooke <Brooke.Smith@nrc.gov>; LIA02 Hoc <LIA02.Hoc@nrc.gov>;  
> LIA03 Hoc <LIA03.Hoc@nrc.gov>; Marshall, Jane <Jane.Marshall@nrc.gov>;  
> Casto, Chuck <Chuck.Casto@nrc.gov>; Monninger, John  
> <John.Monninger@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>;  
> Kolb, Timothy <Timothy.Kolb@nrc.gov>; Foster, Jack  
> <Jack.Foster@nrc.gov>; Devercelly, Richard  
> <Richard.Devercelly@nrc.gov>; Tracy, Glenn <Glenn.Tracy@nrc.gov>;  
> Leeds, Eric <Eric.Leeds@nrc.gov>; Boger, Bruce <Bruce.Boger@nrc.gov>;  
> Trapp, James <James.Trapp@nrc.gov>; Ulises, Anthony  
> <Anthony.Ulises@nrc.gov>; Carter, Mary <Mary.Carter@nrc.gov>; Emche,  
> Danielle <Danielle.Emche@nrc.gov>; Jones, Andrea  
> <Andrea.Jones2@nrc.gov>; Schwartzman, Jennifer  
> <Jennifer.Schwartzman@nrc.gov>; Cook, William <William.Cook@nrc.gov>;  
> Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.;  
> Hepburn, Matthew; Kamoie, Brian E.; Kern, Dab; Kim, Paul; Landau, Zachary L.; Marcozzi, David E.; Mecher, Carter E.;  
> Panketh, Eric J.  
> (NSC); Reed, Richard A.; Tribble, Ahsha; Zelvin, Lawrence K.; Holgate,  
> Laura  
> Sent: Mon Mar 14 16:32:13 2011  
> Subject: RE: 8 NRC people to Japan ASAP  
>  
> TJ -- we're moving DOE AMS and Consequence Management teams as quickly  
> as we can spool up the lift; have looped in our POC's on the cc line.  
> Would not recommend delaying any flights while we await the NRC  
> personnel, but if there's room, and if they can get themselves to the  
> lift site (Nellis AFB - Las Vegas), we have SECDEF authorization to  
> carry non-DOD personnel in support of this crisis.  
>



> JLOC -- As soon as we have the TRANSCOM flight info, please push to  
> alcon and we'll see if we can provide an alternative to commercial  
> air. Again, unless otherwise directed, recommend we not hold up the  
> DOE flights, but if we can kill two birds, let's do it.

>  
>

> \*\*\*\*\*

> RADM Kurt W. Tidd, USN  
> Vice Director for Operations, J3  
> 3000 Joint Staff Pentagon  
> Rm 2D882  
> Washington DC 20318-3000  
> Tel: (703) 695-0987  
> DSN: 225-0987  
> Fax: (703) 614-1755  
> Red Switch: 80-228-2247

> Blackberry: (b)(6)

> Email: (b)(6)

> SIPR: (b)(6)

>

> -----Original Message-----

> From: Gallagher, Shawn P. [mailto:(b)(6)]

> Sent: Monday, March 14, 2011 4:05 PM

> To: (b)(6)

(b)(6)

> Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel  
> R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader;  
> Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane;  
> Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster,  
> Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce;  
> Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones,  
> Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward  
> M.; Donnell, Charles D.; Gelman, Jeffrey D.; Hepburn, Matthew; Kamoie,  
> Brian E.; Kern, Dab; Kim, Paul; Landau, Zachary L.; Marcozzi, David E.;  
> Mecher, Carter E.; Panketh, Eric J. (NSC); Reed, Richard A.; Tribble,  
> Ahsha; Zelvin, Lawrence K.; Holgate, Laura  
> Subject: RE: 8 NRC people to Japan ASAP

>

> Again looping in resilience here at NSC. Thanks all!

>  
>  
>  
>

> -----Original Message-----

> From: Clark, Ngoc CIV OSD POLICY [mailto:(b)(6)]

> Sent: Monday, March 14, 2011 3:58 PM

> To: 'Ramsey, Jack'; Abrams, Charlotte; Zerr, Thomas J.; Zenner, Todd

> LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY;  
 > Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle,  
 > Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN  
 > Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN,  
 > ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE  
 > CAPTAIN JCS J3; NJOIC JLOC OFFICER JCS J3; Kremer, Kyle Col JCS J4  
 > DISTRIBUTION  
 > Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel  
 > R.; Duncan, Shawn H.; Gallagher, Shawn P.; Bentz, Julie A.; Doane,  
 > Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03  
 > Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony;  
 > Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds,  
 > Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche,  
 > Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William  
 > Subject: RE: 8 NRC people to Japan ASAP

>  
 > Looping in J-4 colleagues with the details of the request.

>  
 > Ms. Ngoc Clark  
 > Foreign Affairs Specialist

>  
 > Humanitarian Assistance, Disaster Relief, and Global Health Directorate  
 > Office of Partnership Strategy & Stability Operations (PSO)  
 > OUSD(Policy) - SO/LIC & IC  
 > 5C653  
 > 703-692-0122

> -----Original Message-----

> From: Ramsey, Jack [mailto:Jack.Ramsey@nrc.gov]  
 > Sent: Monday, March 14, 2011 3:54 PM  
 > To: Abrams, Charlotte; (b)(6); Zenner, Todd LCDR  
 > JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Clark,  
 > Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM  
 > JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS  
 > J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5  
 > ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS  
 > J-3; NJOIC BATTLE CAPTAIN JCS J3  
 > Cc: (b)(6); 'TaskForce1Mailbox@state.gov';

(b)(6)  
 (b)(6); Doane,  
 > Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03  
 > Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony;  
 > Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds,  
 > Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche,  
 > Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William  
 > Subject: RE: 8 NRC people to Japan ASAP

>  
 > All,

>  
 > As the message below indicates, we now have an additional person (for a  
 > total of 9) from our regional office outside Philadelphia.

>

> Jack Ramsey

>

> -----Original Message-----

> From: Abrams, Charlotte

> Sent: Monday, March 14, 2011 3:52 PM

> To: (b)(6)

(b)(6)

> Cc: (b)(6); 'TaskForce1Mailbox@state.gov';

(b)(6)

(b)(6)

Doane,

> Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03

> Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony;

> Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds,

> Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche,

> Danielle; Jones, Andrea; Schwartzman, Jennifer

> Subject: Re: 8 NRC people to Japan ASAP

>

> Also Bill Cook from RI

>

>

> Sent from my nrc blackberry. Charlotte Abrams

(b)(6)

>

>

> ----- Original Message -----

> From: Ramsey, Jack

> To: (b)(6)

(b)(6)

> Cc: Wormuth, Christine (b)(6);

> TaskForce1Mailbox@state.gov <TaskForce1Mailbox@state.gov> (b)(6)

(b)(6)

(b)(6)

(b)(6)

(b)(6)

> Doane, Margaret; Mamish, Nader; Abrams,

> Charlotte; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall,

> Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy;

> Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger,

> Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle;  
> Jones, Andrea; Schwartzman, Jennifer  
> Sent: Mon Mar 14 15:48:03 2011  
> Subject: RE: 8 NRC people to Japan ASAP  
>  
> All,  
>  
> To summarize, the Nuclear Regulatory Commission has been requested by  
> the Japanese government to supplement our staffing at the US Embassy in  
> Tokyo (we currently have two staff there). In response, we have  
> identified 8 NRC staff for this. We have 6 staff from WashDC (John  
> Monninger, Tony Nakanishi, Tim Kolb, Jack Foster, Brooke Smith and Kirk  
> Foggie), 1 from Atlanta (Chuck Casto) and 1 from Chattanooga (Richard  
> Devercelly). The earliest commercial flights that are available are  
> around 13:00 EDT tomorrow (Tuesday). Obviously, we'd like to get them  
> there earlier if at all possible. This is what prompted the question on  
> whether DOD and/or other appropriate assets might be available.  
>  
> For coordination purposes, the International Liaison Team at NRC's  
> Emergency Operations Center will be lead for this. E-mail addresses  
> there are lia02.hoc@nrc.gov and lia03.hoc@nrc.gov, with direct phone  
> line of (301) 816-5192 (this is a recorded line). In the event of any  
> communication issues, please call the main number for NRC's Emergency  
> Operation Center on (301) 816-5100 and ask for International Liaison.  
> Please also note that the NRC team has been cc'ed on this message.  
>  
> Thanks to everyone for looking at this.  
>  
> Jack Ramsey  
>  
>  
> -----Original Message-----  
> From: Zerr, Thomas J. [mailto:(b)(6)]  
> Sent: Monday, March 14, 2011 3:25 PM  
> To: Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES,  
> OSD-POLICY; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY;  
> Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs,  
> Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID  
> W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5  
> POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3  
> Cc: Ramsey, Jack; Wormuth, Christine; TaskForce1Mailbox@state.gov;  
> Russel, Daniel R.; Duncan, Shawn H.; Gallagher, Shawn P.; Bentz, Julie  
> A.  
> Subject: RE: 8 NRC people to Japan ASAP  
>  
> +TF-1 mailbox for appropriate State loop in.  
>  
> -----Original Message-----  
> From: Zerr, Thomas J. [mailto:(b)(6)]  
> Sent: Monday, March 14, 2011 2:58 PM  
> To: Hulley, Paul, SES, OSD-POLICY; Zenner, Todd LCDR JCS J5 DDASIA NEAD  
> NE ASIA BR; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY;

> Tidd, Kurt W RADM JCS VDJ-3  
 > Cc: 'Ramsey, Jack'  
 > Subject: FW: 8 NRC people to Japan ASAP  
 >  
 > All-  
 >  
 > I have discussed this on the phone with Paul and Todd. Needless to say  
 > the request is hot and getting big brains on the reactor issues out  
 > there soonest is critical given the situation at the plants.  
 >  
 >  
 >  
 > Please inform if this request should go via a different path you can  
 > identify for me; or if this group can facilitate getting a DOD response  
 > to this request.  
 >  
 >  
 >  
 > Jack-Please confirm the status of passports on these folks. Also I  
 > would continue to pursue any other transportation options outside of DOD  
 > so we don't lose any time.  
 >  
 >  
 >  
 > TJ  
 >  
 >  
 >  
 > From: Gallagher, Shawn P.  
 > Sent: Monday, March 14, 2011 2:46 PM  
 > To: 'Ramsey, Jack'; Zerr, Thomas J.; Bentz, Julie A.  
 > Subject: 8 NRC people to Japan ASAP  
 >  
 >  
 >  
 > Jack, per our conversation TJ is calling over to DOD. Wanted to connect  
 > everyone via email so we can report status.  
 >  
 >  
 >  
 > Julie, to bring you up to speed, the Japanese requested more NRC support  
 > and NRC identified 8 people to go on an immediate basis. Earliest  
 > commercial flight isn't until 1:00 tomorrow. TJ is finding out if there  
 > a mil air option.  
 >  
 >  
 >  
 > Locations of individuals are 6 in DC, 1 in Atlanta, 1 in Chattanooga.  
 > All are currently packing and awaiting orders  
 >

---

**From:** Smith, Brooke  
**Sent:** Monday, March 14, 2011 7:22 PM  
**To:** Monninger, John  
**Subject:** Re: CONTACT FROM USAID

Okay

Sent from an NRC Blackberry.  
Brooke G. Smith

(b)(6)

----- Original Message -----

From: Monninger, John  
To: LIA03 Hoc; Ramsey, Jack; Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith, Brooke; Casto, Chuck; Foster, Jack; Devercelly, Richard; Cook, William  
Cc: Doane, Margaret; Mamish, Nader; LIA02 Hoc; Leeds, Eric; Boger, Bruce; Trapp, James; Ulises, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon; Kozal, Jason; (b)(6)

(b)(6)

Sent: Mon Mar 14 19:20:57 2011  
Subject: RE: CONTACT FROM USAID

I received my e-ticket and heading to Dulles by 2000 for 2305 United Flight 0924 to London, connecting to British Airways 0005.

Many thanks,  
John Monninger

-----Original Message-----

From: LIA03 Hoc  
Sent: Monday, March 14, 2011 6:08 PM  
To: Ramsey, Jack; Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith, Brooke; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard; Cook, William  
Cc: Doane, Margaret; Mamish, Nader; LIA02 Hoc; Leeds, Eric; Boger, Bruce; Trapp, James; Ulises, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon; Kozal, Jason; (b)(6)  
Subject: CONTACT FROM USAID

Mike Dudek and Jason Kozal will be contacting you about travel arrangements tonight to Tokyo.

-----Original Message-----

From: Ramsey, Jack  
Sent: Monday, March 14, 2011 5:37 PM  
To: Nakanishi, Tony; Kolb, Timothy; Foggie, Kirk; Smith, Brooke; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard; Cook, William  
Cc: Doane, Margaret; Mamish, Nader; LIA02 Hoc; LIA03 Hoc; Leeds, Eric; Boger, Bruce; Trapp, James; Ulises, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Stewart, Sharon  
Subject: RE: 8 NRC people to Japan ASAP  
Importance: High

NRC folks,

Apologies for any confusion. As you can tell by the exchange of messages with the NSC and DOD, we're exploring all possible angles on how to get you to Japan as quickly and efficiently as possible.

I understand that USAID is making your travel arrangements. Best guess is that the WashDC folks will be on a flight (maybe British Air) that leaves Dulles around 23:00 or so (plus or minus a little). There will be a connection through London Heathrow, then on to Tokyo. We don't have any insight on what USAID might arrange for the non-WashDC folks.

Either way, please coordinate through the International Liaison desk at the Ops Center (301-816-5192).

Jack

-----Original Message-----

From: Nakanishi, Tony

Sent: Monday, March 14, 2011 5:25 PM

To: (b)(6)

(b)(6)

Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

Subject: RE: 8 NRC people to Japan ASAP

I can also make it to any DC airport before 2200.

Tony Nakanishi

-----Original Message-----

From: Kolb, Timothy

Sent: Monday, March 14, 2011 5:22 PM

To: (b)(6)

(b)(6)

Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

Subject: RE: 8 NRC people to Japan ASAP

I can make it to any DC airport before 2200. Just need to know which one and which flight.  
Tim Kolb

From: Zerr, Thomas J. (b)(6)

Sent: Monday, March 14, 2011 5:11 PM

To: (b)(6)

(b)(6)

Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.

Subject: Re: 8 NRC people to Japan ASAP

If I did my conversion right it looks like we will not make the Nellis flight.

So I would ask the NRC to get their nine to DC as soon as possible. If my expedia search is right I think they all could make it here by about 2200 assuming they all close to their airports. NRC-pls let us know when you can get everyone here.

From there we will see what DOD can support out of the DC area. Under this model we will be positioned for the comm air option and anything DOD can support.

TJ

----- Original Message -----

From: Tidd, Kurt W RADM JCS VDJ-3 (b)(6)

To: (b)(6)

(b)(6)

Cc: Wormuth, Christine; TaskForce1Mailbox@state.gov <TaskForce1Mailbox@state.gov>; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Margaret.Doane@nrc.gov <Margaret.Doane@nrc.gov>; Nader.Mamish@nrc.gov <Nader.Mamish@nrc.gov>; Kirk.Foggie@nrc.gov <Kirk.Foggie@nrc.gov>; Brooke.Smith@nrc.gov <Brooke.Smith@nrc.gov>; LIA02.Hoc@nrc.gov <LIA02.Hoc@nrc.gov>; LIA03.Hoc@nrc.gov <LIA03.Hoc@nrc.gov>;



Jane.Marshall@nrc.gov <Jane.Marshall@nrc.gov>; Chuck.Casto@nrc.gov <Chuck.Casto@nrc.gov>;  
John.Monninger@nrc.gov <John.Monninger@nrc.gov>; Tony.Nakanishi@nrc.gov <Tony.Nakanishi@nrc.gov>;  
Timothy.Kolb@nrc.gov <Timothy.Kolb@nrc.gov>; Jack.Foster@nrc.gov <Jack.Foster@nrc.gov>;  
Richard.Devercelly@nrc.gov <Richard.Devercelly@nrc.gov>; Glenn.Tracy@nrc.gov <Glenn.Tracy@nrc.gov>;  
Eric.Leeds@nrc.gov <Eric.Leeds@nrc.gov>; Bruce.Boger@nrc.gov <Bruce.Boger@nrc.gov>; James.Trapp@nrc.gov  
<James.Trapp@nrc.gov>; Anthony.Ulises@nrc.gov <Anthony.Ulises@nrc.gov>; Mary.Carter@nrc.gov  
<Mary.Carter@nrc.gov>; Danielle.Emche@nrc.gov <Danielle.Emche@nrc.gov>; Andrea.Jones2@nrc.gov  
<Andrea.Jones2@nrc.gov>; Jennifer.Schwartzman@nrc.gov <Jennifer.Schwartzman@nrc.gov>; William.Cook@nrc.gov  
<William.Cook@nrc.gov>; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.; Swift, Scott H RADM  
PACOM, J3 (b)(6)  
Sent: Mon Mar 14 16:51:00 2011  
Subject: RE: 8 NRC people to Japan ASAP

TJ -- ensure ALCON know/understand that this TRANSCOM planning remains TENTATIVE until positively confirmed. A lot of moving pieces here, so we MOST STRONGLY recommend NRC retain their commercial air plans. It will be a challenge for NRC folks to get to Vegas, then over to Nellis, and we do not intend to hold up the flight for them. For the moment, here is what the DOE lift looks like:

Mission Number: PJM112471073-  
C-17 alert NLT 14/1800Z  
Dep Travis AFB CA (KSUU) 14/2100Z  
Arr/Dep Nellis AFB NV (KLSV) - 14/2200Z - 15/0045Z Arr/Dep Elmendorf AFB for gas (PAED) - 15/0545Z - 15/0730Z Arr  
Yokota AFB Japan (RJTY) - 15/1545Z

Please stress again -- this flight sked remains TENTATIVE!! We've got a bunch of folks scrambling hard to make it happen, but please remain flexible.

\*\*\*\*\*

RADM Kurt W. Tidd, USN  
Vice Director for Operations, J3  
3000 Joint Staff Pentagon  
Rm 2D882  
Washington DC 20318-3000  
Tel: (703) 695-0987  
DSN: 225-0987  
Fax: (703) 614-1755  
Red Switch: 80-228-2247  
Blackberry: (b)(6)  
Email: (b)(6)  
SIPR (b)(6)

-----Original Message-----

From: Zerr, Thomas J. [mailto:(b)(6)]  
Sent: Monday, March 14, 2011 4:42 PM  
To: (b)(6)

(b)(6)

(b)(6)

Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; 'Margaret.Doane@nrc.gov'; 'Nader.Mamish@nrc.gov'; 'Kirk.Foggie@nrc.gov'; 'Brooke.Smith@nrc.gov'; 'LIA02.Hoc@nrc.gov'; 'LIA03.Hoc@nrc.gov'; 'Jane.Marshall@nrc.gov'; 'Chuck.Casto@nrc.gov'; 'John.Monninger@nrc.gov'; 'Tony.Nakanishi@nrc.gov'; 'Timothy.Kolb@nrc.gov'; 'Jack.Foster@nrc.gov'; 'Richard.Devercelly@nrc.gov'; 'Glenn.Tracy@nrc.gov'; 'Eric.Leeds@nrc.gov'; 'Bruce.Boger@nrc.gov'; 'James.Trapp@nrc.gov'; 'Anthony.Ulises@nrc.gov'; 'Mary.Carter@nrc.gov'; 'Danielle.Emche@nrc.gov'; 'Andrea.Jones2@nrc.gov'; 'Jennifer.Schwartzman@nrc.gov'; 'William.Cook@nrc.gov'; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.  
Subject: Re: 8 NRC people to Japan ASAP

Thanks Admiral.

NRC-Once we get TRANSCOM flight data we will need to move quick to see if we can get your nine to the launch point in time.

As previously stated please keep planning to execute the commercial flight option if the mil air ends up not working out.

TJ

----- Original Message -----

From: Tidd, Kurt W RADM JCS VDJ-3 <(b)(6)>

To: (b)(6)

(b)(6)

Cc: Wormuth, Christine; TaskForce1Mailbox@state.gov <TaskForce1Mailbox@state.gov>; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret <Margaret.Doane@nrc.gov>; Mamish, Nader <Nader.Mamish@nrc.gov>; Foggie, Kirk <Kirk.Foggie@nrc.gov>; Smith, Brooke <Brooke.Smith@nrc.gov>; LIA02 Hoc <LIA02.Hoc@nrc.gov>; LIA03 Hoc <LIA03.Hoc@nrc.gov>; Marshall, Jane <Jane.Marshall@nrc.gov>; Casto, Chuck <Chuck.Casto@nrc.gov>; Monninger, John <John.Monninger@nrc.gov>; Nakanishi, Tony <Tony.Nakanishi@nrc.gov>; Kolb, Timothy <Timothy.Kolb@nrc.gov>; Foster, Jack <Jack.Foster@nrc.gov>; Devercelly, Richard <Richard.Devercelly@nrc.gov>; Tracy, Glenn <Glenn.Tracy@nrc.gov>; Leeds, Eric <Eric.Leeds@nrc.gov>; Boger, Bruce <Bruce.Boger@nrc.gov>; Trapp, James <James.Trapp@nrc.gov>; Ulises, Anthony <Anthony.Ulises@nrc.gov>; Carter, Mary <Mary.Carter@nrc.gov>; Emche, Danielle <Danielle.Emche@nrc.gov>; Jones, Andrea <Andrea.Jones2@nrc.gov>; Schwartzman, Jennifer <Jennifer.Schwartzman@nrc.gov>; Cook, William <William.Cook@nrc.gov>; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.; Hepburn, Matthew; Kamoie, Brian E.; Kern, Dab; Kim, Paul; Landau, Zachary L.; Marcozzi, David E.; Mecher, Carter E.; Panketh, Eric J.

(NSC); Reed, Richard A.; Tribble, Ahsha; Zelvin, Lawrence K.; Holgate, Laura

Sent: Mon Mar 14 16:32:13 2011

Subject: RE: 8 NRC people to Japan ASAP

TJ -- we're moving DOE AMS and Consequence Management teams as quickly as we can spool up the lift; have looped in our POC's on the cc line. Would not recommend delaying any flights while we await the NRC personnel, but if there's room, and if they can get themselves to the lift site (Nellis AFB - Las Vegas), we have SECDEF authorization to carry non-DOD personnel in support of this crisis.

JLOC -- As soon as we have the TRANSCOM flight info, please push toalcon and we'll see if we can provide an alternative to commercial air. Again, unless otherwise directed, recommend we not hold up the DOE flights, but if we can kill two birds, let's do it.

\*\*\*\*\*

RADM Kurt W. Tidd, USN  
Vice Director for Operations, J3  
3000 Joint Staff Pentagon  
Rm 2D882  
Washington DC 20318-3000  
Tel: (703) 695-0987  
DSN: 225-0987  
Fax: (703) 614-1755  
Red Switch: 80-228-2247  
Blackberry: (b)(6)  
Email: (b)(6)  
SIPR: (b)(6)

-----Original Message-----

From: Gallagher, Shawn P. [mailto:(b)(6)]  
Sent: Monday, March 14, 2011 4:05 PM  
To: 'Clark, Ngoc CIV OSD POLICY'; 'Ramsey, Jack'; Abrams, Charlotte; Zerr, Thomas J.; Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3; NJOIC JLOC OFFICER JCS J3; Kremer, Kyle Col JCS J4 DISTRIBUTION  
Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William; Baden, Tim; Dolan, Edward M.; Donnell, Charles D.; Gelman, Jeffrey D.; Hepburn, Matthew; Kamoie, Brian E.; Kern, Dab; Kim, Paul; Landau, Zachary L.; Marcozzi, David E.; Mecher, Carter E.; Panketh, Eric J. (NSC); Reed, Richard A.; Tribble, Ahsha; Zelvin, Lawrence K.; Holgate, Laura  
Subject: RE: 8 NRC people to Japan ASAP

Again looping in resilience here at NSC. Thanks all!

-----Original Message-----

From: Clark, Ngoc CIV OSD POLICY [mailto:(b)(6)]  
Sent: Monday, March 14, 2011 3:58 PM  
To: 'Ramsey, Jack'; Abrams, Charlotte; Zerr, Thomas J.; Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN,

ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3; NJOIC JLOC OFFICER JCS J3;  
Kremer, Kyle Col JCS J4 DISTRIBUTION  
Cc: Wormuth, Christine; 'TaskForce1Mailbox@state.gov'; Russel, Daniel R.; Duncan, Shawn H.; Gallagher, Shawn P.;  
Bentz, Julie A.; Doane, Margaret; Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane;  
Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds,  
Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer;  
Cook, William  
Subject: RE: 8 NRC people to Japan ASAP

Looping in J-4 colleagues with the details of the request.

Ms. Ngoc Clark  
Foreign Affairs Specialist

Humanitarian Assistance, Disaster Relief, and Global Health Directorate Office of Partnership Strategy & Stability  
Operations (PSO)  
OUSD(Policy) - SO/LIC & IC  
5C653  
703-692-0122

-----Original Message-----

From: Ramsey, Jack [mailto:Jack.Ramsey@nrc.gov]  
Sent: Monday, March 14, 2011 3:54 PM  
To: Abrams, Charlotte; (b)(6) Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul,  
SES, OSD-POLICY; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle,  
Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS  
J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5  
ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3  
Cc: (b)(6); 'TaskForce1Mailbox@state.gov'; (b)(6)  
(b)(6); Doane, Margaret;  
Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John;  
Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James;  
Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer; Cook, William  
Subject: RE: 8 NRC people to Japan ASAP

All,

As the message below indicates, we now have an additional person (for a total of 9) from our regional office outside  
Philadelphia.

Jack Ramsey

-----Original Message-----

From: Abrams, Charlotte  
Sent: Monday, March 14, 2011 3:52 PM  
To: (b)(6)  
(b)(6)  
Cc: (b)(6); 'TaskForce1Mailbox@state.gov'; (b)(6);  
(b)(6); Doane, Margaret;

Mamish, Nader; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer  
Subject: Re: 8 NRC people to Japan ASAP

Also Bill Cook from RI

Sent from my nrc blackberry. Charlotte Abrams

(b)(6)

----- Original Message -----

From: Ramsey, Jack

To: (b)(6)

(b)(6)

Cc: Wormuth, Christine (b)(6); TaskForce1Mailbox@state.gov

<TaskForce1Mailbox@state.gov>; Russel, Daniel R. (b)(6); Duncan, Shawn H.

(b)(6)

; Gallagher, Shawn P.

(b)(6)

>; Bentz, Julie A.

(b)(6)

>; Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Foggie, Kirk; Smith, Brooke; LIA02 Hoc; LIA03 Hoc; Marshall, Jane; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Tracy, Glenn; Leeds, Eric; Boger, Bruce; Trapp, James; Ulses, Anthony; Carter, Mary; Emche, Danielle; Jones, Andrea; Schwartzman, Jennifer

Sent: Mon Mar 14 15:48:03 2011

Subject: RE: 8 NRC people to Japan ASAP

All,

To summarize, the Nuclear Regulatory Commission has been requested by the Japanese government to supplement our staffing at the US Embassy in Tokyo (we currently have two staff there). In response, we have identified 8 NRC staff for this. We have 6 staff from WashDC (John Monninger, Tony Nakanishi, Tim Kolb, Jack Foster, Brooke Smith and Kirk Foggie), 1 from Atlanta (Chuck Casto) and 1 from Chattanooga (Richard Devercelly). The earliest commercial flights that are available are around 13:00 EDT tomorrow (Tuesday). Obviously, we'd like to get them there earlier if at all possible. This is what prompted the question on whether DOD and/or other appropriate assets might be available.

For coordination purposes, the International Liaison Team at NRC's Emergency Operations Center will be lead for this. E-mail addresses there are lia02.hoc@nrc.gov and lia03.hoc@nrc.gov, with direct phone line of (301) 816-5192 (this is a recorded line). In the event of any communication issues, please call the main number for NRC's Emergency Operation Center on (301) 816-5100 and ask for International Liaison.

Please also note that the NRC team has been cc'ed on this message.

Thanks to everyone for looking at this.

Jack Ramsey

-----Original Message-----

From: Zerr, Thomas J. [mailto: (b)(6)]

Sent: Monday, March 14, 2011 3:25 PM

To: Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Hulley, Paul, SES, OSD-POLICY; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3; Engle, Thomas E Lt Col JCS J3/NMCC; Severs, Paul J CAPT JCS J5 AP; NEWELL, JOHN Brig Gen JCS J5 ASIADD; SHIN, DAVID W COL JCS J5 ASIA NEA; BROWN, ANGELIQUE P Maj JCS J5 ASIA NEA; NJOIC J-5 POLICY JCS J-3; NJOIC BATTLE CAPTAIN JCS J3

Cc: Ramsey, Jack; Wormuth, Christine; TaskForce1Mailbox@state.gov; Russel, Daniel R.; Duncan, Shawn H.; Gallagher, Shawn P.; Bentz, Julie A.

Subject: RE: 8 NRC people to Japan ASAP

+TF-1 mailbox for appropriate State loop in.

-----Original Message-----

From: Zerr, Thomas J. [mailto: (b)(6)]

Sent: Monday, March 14, 2011 2:58 PM

To: Hulley, Paul, SES, OSD-POLICY; Zenner, Todd LCDR JCS J5 DDASIA NEAD NE ASIA BR; Clark, Ngoc CIV OSD POLICY; Trigilio, John, CIV, OSD-POLICY; Tidd, Kurt W RADM JCS VDJ-3

Cc: 'Ramsey, Jack'

Subject: FW: 8 NRC people to Japan ASAP

All-

I have discussed this on the phone with Paul and Todd. Needless to say the request is hot and getting big brains on the reactor issues out there soonest is critical given the situation at the plants.

Please inform if this request should go via a different path you can identify for me; or if this group can facilitate getting a DOD response to this request.

Jack-Please confirm the status of passports on these folks. Also I would continue to pursue any other transportation options outside of DOD so we don't lose any time.

TJ

From: Gallagher, Shawn P.

Sent: Monday, March 14, 2011 2:46 PM

To: 'Ramsey, Jack'; Zerr, Thomas J.; Bentz, Julie A.

Subject: 8 NRC people to Japan ASAP

Jack, per our conversation TJ is calling over to DOD. Wanted to connect everyone via email so we can report status.

Julie, to bring you up to speed, the Japanese requested more NRC support and NRC identified 8 people to go on an immediate basis. Earliest commercial flight isn't until 1:00 tomorrow. TJ is finding out if there a mil air option.

Locations of individuals are 6 in DC, 1 in Atlanta, 1 in Chattanooga.  
All are currently packing and awaiting orders

---

**From:** Smith, Brooke  
**Sent:** Monday, March 14, 2011 7:21 PM  
**To:** Monninger, John  
**Subject:** Out of Office: CONTACT FROM USAID

I am out of the office.

If you need immediate assistance, please contact:

Janice Owens  
[Janice.Owens@nrc.gov](mailto:Janice.Owens@nrc.gov)  
301-415-3684



---

**From:** Nakanishi, Tony  
**Sent:** Monday, March 14, 2011 7:21 PM  
**To:** Monninger, John  
**Subject:** Out of Office: CONTACT FROM USAID

I am currently out of office.

For urgent matters, please contact Sam Miranda at [samuel.miranda@nrc.gov](mailto:samuel.miranda@nrc.gov).

Thank you,

Tony Nakanishi

---

**From:** Foster, Jack  
**Sent:** Monday, March 14, 2011 7:21 PM  
**To:** Monninger, John  
**Subject:** Out of Office: CONTACT FROM USAID

I will be out of the office on travel starting on Tuesday, March 15, 2010, to support the recent crisis in Japan. John Jankovich will be acting Branch Chief during this period and may be reached at (301) 415-7904 or [John.Jankovich@nrc.gov](mailto:John.Jankovich@nrc.gov) .

Thanks,

Jack Foster, Chief  
FSME - Licensing Branch

---

**From:** RMTPACTSU\_AC <RMTPACTSU\_AC@ofda.gov>  
**Sent:** Monday, March 14, 2011 7:16 PM  
**To:** Monninger, John  
**Cc:** RMTPACTSU\_ELNRC; Sink, Amy (BFS) [USAID]  
**Subject:** FW: eInvoice, March 14 for MONNINGER

**Importance:** High

Greetings:

Attached is your ticket to Narita airport, Japan. You are flying out tonight on United Air UA 0924 at 11:05 pm, thru London. Your arrival time in Narita is 09:10 am local time on Wednesday, March 16.

Tokyo Team is staying at (b)(6)

(b)(6)

Airport Limo Buses have resumed their services. Please inquire airport staff on the best way of getting to the hotel, as information constantly changes.

**Upon arrival please immediately get in touch with Amy Sink, OFDA Field Officer, at 571-216-0637.**

~Natalya Johnson

*Admin Coordinator  
Pacific Tsunami and Japan Earthquake Response Management Team  
USAID/DHCA/OFDA  
[Rmtpactsu\\_ac@ofda.gov](mailto:Rmtpactsu_ac@ofda.gov)  
202-712-0039*

---

**From:** MANASSAS TRAVEL [mailto:usaid@manassastravel.com]  
**Sent:** Monday, March 14, 2011 7:02 PM  
**To:** RMTPACTSU\_AC; travel  
**Subject:** eInvoice, March 14 for MONNINGER

Your Travel Arranger is pleased to deliver your complete travel itinerary through Sabre® Virtually There®. To view your eInvoice, click on the link below. Once the itinerary is displayed, click on the eInvoice icon.

[Click here to access your reservation on the web or a mobile device.](#)

Your eInvoice is available for 90 days after its issuance.

[CLICK HERE to opt out of receiving future e-mails from Virtually There.](#)

If the above link is inactive, please paste this URL into your browser to access your reservations:

<https://www.virtuallythere.com/new/reservationsChron.html?host=1W&pnr=ELDLMBD3876E&name=MONNINGER&language=0&email=2>

Manassas Travel

1-866-343-5009

Personalized Travel Experiences from Beginning to End.

---

**From:** iTrezzo Admin  
**Sent:** Monday, March 14, 2011 7:09 PM  
**To:** Monninger, John  
**Subject:** BlackBerry Contact Update

To be prepared in an urgent situation, the NRC Emergency Preparedness Software has updated one or more of your Outlook Contacts.

The following 2 contact(s) were updated with current information:

- Chuck Casto (PIN: (b)(6)) Other: (b)(6)
- Darren Ash (PIN: (b)(6))

These changes will synchronize with the address book on your BlackBerry. Contact CSC at (301) 415-1234 if these changes do not appear on your BlackBerry within 24 hours.

---

**From:** Burns, Stephen  
**Sent:** Monday, March 14, 2011 6:31 PM  
**To:** Monninger, John  
**Subject:** RE: HOME TO WORK TRANSPORTATION; HOTELS

Will do. I hear you may be on your way over to Japan. Safe journey.  
Steve

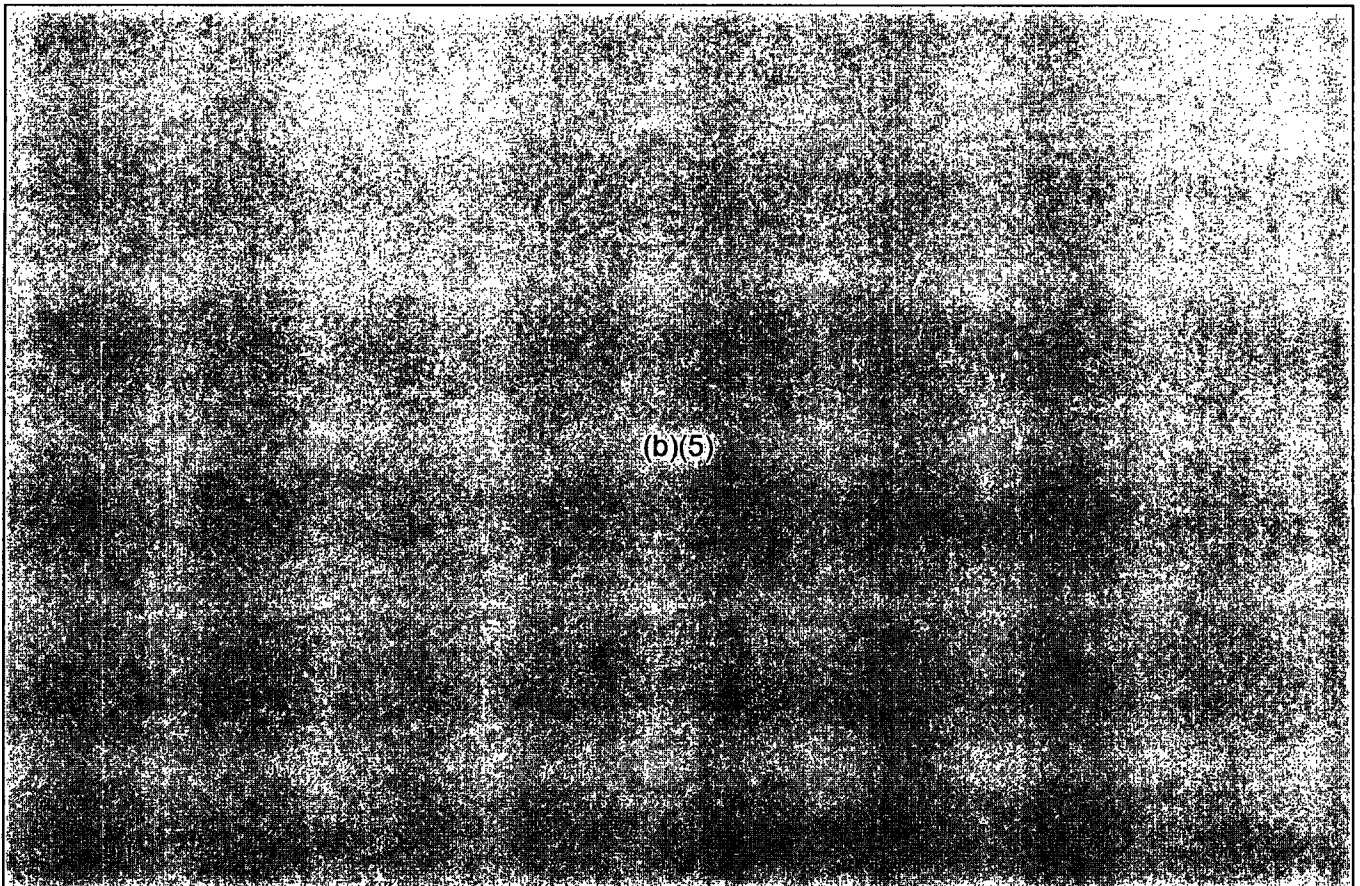
---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 6:18 PM  
**To:** Burns, Stephen  
**Cc:** Coggins, Angela; Clark, Lisa; Bradford, Anna  
**Subject:** RE: HOME TO WORK TRANSPORTATION; HOTELS

Many thanks Steve. Lisa Clark is our point of contact on the memo if you need any specific input from the Chairman's Office.

---

**From:** Burns, Stephen  
**Sent:** Monday, March 14, 2011 6:06 PM  
**To:** Coggins, Angela; Monninger, John  
**Subject:** HOME TO WORK TRANSPORTATION; HOTELS  
**Importance:** High



(b)(5)

Let me know if you need more.

Steve

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 6:17 PM  
**To:** Clark, Lisa  
**Cc:** Coggins, Angela; Batkin, Joshua  
**Subject:** Driver Services Memo to the file  
**Attachments:** HOME TO WORK TRANSPORTATION; HOTELS

Lisa,

Please see attached email from Steve Burns providing justification for use of driver services in an emergency. Steve mentions that his staff is drafting the memo. Can you please reach out to them for any specifics that we need to insert? We used driver services over the weekend.

Thanks,  
John Monninger

-----Original Message-----

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 11:25 AM  
**To:** Clark, Lisa  
**Cc:** Monninger, John; Coggins, Angela  
**Subject:** Memo to the file

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



---

**From:** Ash, Darren  
**Sent:** Monday, March 14, 2011 5:03 PM  
**To:** Borchardt, Bill; Monninger, John  
**Subject:** FW: Support for those travelling to Japan

For your awareness – no reply requested

---

**From:** Paradiso, Karen  
**Sent:** Monday, March 14, 2011 4:51 PM  
**To:** Ash, Darren  
**Cc:** Rich, Thomas; Boyce, Thomas (OIS); Schaeffer, James  
**Subject:** Support for those travelling to Japan

Hi Darren,

We have been working today to respond to the needs of those staff members travelling to Japan. This afternoon OIS provided to the Agency Operations Center –

7 new Blackberry's with International Service and in addition International Service was provided for one existing Blackberry;

5 international laptops were provided,  
5 international air cards were provided – one for each laptop;

8 mxi thumb drives were provided;

8 mci calling cards were provided – we wanted to provide GETS cards however, it takes 3 days to order this service.

We will continue to coordinate with the Operations Center and provide support as needed.

Please let me know if any questions.

Thanks!  
Karen

---

**From:** Jackson, Kia  
**Sent:** Monday, March 14, 2011 4:06 PM  
**To:** Monninger, John  
**Subject:** I have your Official Passport

Thanks,  
Kia L. Jackson  
*International Programs Assistant*  
*Office of International Programs*  
*Mailstop O-4-E21; Room O-4-C8*  
*U.S. Nuclear Regulatory Commission*  
*301-415-1690*  
[kia.jackson@nrc.gov](mailto:kia.jackson@nrc.gov)

---

**From:** Gibbs, Catina  
**Sent:** Monday, March 14, 2011 3:44 PM  
**To:** Monninger, John  
**Cc:** Osband, Tracy; Brusoe, Eric  
**Subject:** FW: Laptops etc

John, please see Tracy's email below.

---

**From:** Osband, Tracy  
**Sent:** Monday, March 14, 2011 3:35 PM  
**To:** Gibbs, Catina  
**Cc:** Brusoe, Eric  
**Subject:** Laptops etc

Catina Eric Brusoe will be tracking the laptops, when they are all finished they will be delivered to the Ops center. If John has any questions he (or you) can contact Eric. Since Eric is checking on everything email might be the best way to contact him right now.

Tracy

---

**From:** Ashby, Nadine  
**Sent:** Monday, March 14, 2011 3:13 PM  
**To:** Brusoe, Eric  
**Cc:** Monninger, John; Padilla, William; Brusoe, Eric; Brusoe, Eric; TSC Resource  
**Subject:** Global Support Added

Please be advised with the emergency Japan effort, the TSC has just added a global support international plan to Mr. Monninger's AT&T 9800 blackberry to support this effort.

Thanks,

Nadine C. Ashby  
Project Manager  
Telecommunications Services  
Office 301.415.7374  
Blackberry (b)(6)

**Vision without execution is daydreaming!**  
**- Bill Gates**

---

**From:** Sosa, Belkys  
**Sent:** Monday, March 14, 2011 3:13 PM  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John  
**Subject:** Query: TF on Public Website

(b)(5)

Please advice,  
Belkys

---

**From:** Lui, Christiana  
**Sent:** Monday, March 14, 2011 9:03 AM  
**To:** Sosa, Belkys; Blake, Kathleen  
**Subject:** TF on Public Website

<http://www.nrc.gov/about-nrc/regulatory/risk-informed.html>

<http://www.nrc.gov/about-nrc/regulatory.html>

Suggestions on where we could post the TF charter on the public website.

---

**From:** Dembek, Stephen  
**Sent:** Monday, March 14, 2011 3:01 PM  
**To:** Monninger, John  
**Subject:** Here's a sample visa application if you need to see an example.

[http://travel.state.gov/\\_res/docs/specialissuance/Japan%20Visa%20Application%20Sample.pdf](http://travel.state.gov/_res/docs/specialissuance/Japan%20Visa%20Application%20Sample.pdf)

Stephen Dembek, Branch Chief  
Office of International Programs  
US Nuclear Regulatory Commission  
ph: 301-415-2342  
fax: 301-415-2395  
[stephen.dembek@nrc.gov](mailto:stephen.dembek@nrc.gov)

---

**From:** Dembek, Stephen  
**Sent:** Monday, March 14, 2011 2:53 PM  
**To:** Jackson, Kia; Monninger, John  
**Cc:** Carter, Mary  
**Subject:** RE: Emailing: Japan%20Visa%20Form.pdf

I talked to the Japanese consulate, they said if we get the visa application to them by 4pm, they might be able to complete it by 5pm, but no promises.

Steve

---

**From:** Jackson, Kia  
**Sent:** Monday, March 14, 2011 2:38 PM  
**To:** Monninger, John  
**Cc:** Baker, Stephen; Dembek, Stephen; Carter, Mary  
**Subject:** Emailing: Japan%20Visa%20Form.pdf

Mr. Monninger,

Please find the visa application for Japan attached.

You can also contact [AV-PHOTO.Resource@nrc.gov](mailto:AV-PHOTO.Resource@nrc.gov) to setup an appointment to have your photo taken. You will need 1(2x2 color photo w/white background).

Thanks,

Kia L. Jackson

*International Programs Assistant  
Office of International Programs  
Mailstop O-4-E21; Room O-4-C8  
U.S. Nuclear Regulatory Commission  
301-415-1690  
[kia.jackson@nrc.gov](mailto:kia.jackson@nrc.gov)*

---

**From:** Dembek, Stephen  
**Sent:** Monday, March 14, 2011 2:45 PM  
**To:** Monninger, John  
**Cc:** Carter, Mary  
**Subject:** John, when's your flight tomorrow?

Stephen Dembek, Branch Chief  
Office of International Programs  
US Nuclear Regulatory Commission  
ph: 301-415-2342  
fax: 301-415-2395  
[stephen.dembek@nrc.gov](mailto:stephen.dembek@nrc.gov)



# VISA APPLICATION FORM TO ENTER JAPAN

Name in full \_\_\_\_\_  
(Surname)

\_\_\_\_\_  
(Given and middle name)

Different name used, if any \_\_\_\_\_

(Photo)

approx. 45mm x45mm

2inx2in

Date and place of birth \_\_\_\_\_ : \_\_\_\_\_  
(Day) (Month) (Year) (City) (Province) (Country)

Sex \_\_\_\_\_ Marital status: married \_\_\_\_\_ single \_\_\_\_\_

Nationality or citizenship \_\_\_\_\_

Former nationality, if any \_\_\_\_\_

Purpose of journey to Japan \_\_\_\_\_

Length of stay in Japan intended \_\_\_\_\_

Route of present journey: Probable date of entry \_\_\_\_\_

Port of entry into Japan \_\_\_\_\_ Name of ship or airline / flight No. \_\_\_\_\_

Passport (Refugee or stateless should note the title of Travel Document) \_\_\_\_\_

No. \_\_\_\_\_ Diplomatic, Official, Ordinary Issued at \_\_\_\_\_ on \_\_\_\_\_

Issuing authority \_\_\_\_\_ Valid until \_\_\_\_\_

Criminal record, if any \_\_\_\_\_

Home address \_\_\_\_\_

\_\_\_\_\_ Tel. \_\_\_\_\_

Profession or occupation \_\_\_\_\_

Name and address of firm or organization to which applicant belongs \_\_\_\_\_

\_\_\_\_\_ Tel. \_\_\_\_\_

Post or rank held at present \_\_\_\_\_

Principal former positions \_\_\_\_\_

\* Partner's Profession/occupation (or Parents' Profession/occupation) \_\_\_\_\_

Address of hotels or names and addresses of persons with whom applicant intends to stay

\_\_\_\_\_

Dates and duration of previous stays in Japan \_\_\_\_\_

Guarantor or reference in Japan : Name \_\_\_\_\_ Tel. \_\_\_\_\_

Address \_\_\_\_\_

Relationship to applicant \_\_\_\_\_

\*(Remarks) Special circumstances, if any \_\_\_\_\_

I hereby declare that the statement given above is true and correct. I understand that immigration status and period of stay to be granted are decided by the Japanese immigration authorities upon my arrival. I understand that possession of a visa does not entitle the bearer to enter Japan upon arrival at port of entry if he or she is found inadmissible.

Date of application \_\_\_\_\_  
(Day) (Month) (Year)

Signature of applicant \_\_\_\_\_

\*These items are not essential to be filled

---

**From:** Baker, Stephen  
**Sent:** Monday, March 14, 2011 2:32 PM  
**To:** Jackson, Kia  
**Cc:** Monninger, John  
**Subject:** Visa For John Monninger

Kia,

I've been told that John Monninger only has a government passport so he'll need a visa. Please get John an application immediately and the info on getting a photo. We're going to try to get the visa today if possible.

Please get this started now.

Thanks,  
Steve Dembek

---

**From:** LIA02 Hoc  
**Sent:** Monday, March 14, 2011 2:27 PM  
**To:** Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard  
**Cc:** Carter, Mary; Smith, Brooke; Foggie, Kirk  
**Subject:** departure times  
  
**Importance:** High

Chairman is asking times of departure for Japan. Please advise when you are leaving. Chairman is asking that folks leave as early as possible. If you can leave tonight, please try to.

---

**From:** Bubar, Patrice  
**Sent:** Monday, March 14, 2011 2:01 PM  
**To:** Vietti-Cook, Annette; Batkin, Joshua; Coggins, Angela  
**Cc:** Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Nieh, Ho; Orders, William  
**Subject:** RE: eWASH-WH0118

Thank you Annette.

(b)(5)

Can you let us know what the status of providing that material is?

Patty Bubar  
Chief of Staff  
Office of Commissioner William D. Magwood  
U.S. Nuclear Regulatory Commission  
301-415-1895

---

**From:** Vietti-Cook, Annette  
**Sent:** Monday, March 14, 2011 1:33 PM  
**To:** Jaczko, Gregory; Skeen, David  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader  
**Subject:** FW: eWASH-WH0118

Attached is a summary of the Deputies meeting March 12, attended by the Chairman and David Skeen. NRC action to support White House press. Summary of earlier Deputies meetings to follow.

To OPA/EDO for Appropriate Action

---

**From:** Giles, Vanessa  
**Sent:** Monday, March 14, 2011 1:02 PM  
**To:** Vietti-Cook, Annette  
**Cc:** Mike, Linda; Wright, Darlene; Lewis, Antoinette; Champ, Billie  
**Subject:** FW: eWASH-WH0118

---

**From:** NRCHQ [<mailto:NRCHQ.Resource@nrc.gov>]  
**Sent:** Monday, March 14, 2011 12:32 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH-WH0118

**From:** eWash-WHSR (b)(6)  
**Sent:** Monday, March 14, 2011 12:30:44 PM  
**To:** eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov;  
 (b)(6) ewash@doc.gov;  
 Ekaterini Malliou (HHS Executive Secretariat); HHSComSec@hhs.gov;  
 HHSExecSec@hhs.gov ; DOE.Commcenter@in.doe.gov;  
 CommCenterStaff@hq.dhs.gov (b)(6)  
 NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWASH-WH0118  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

|                                                                                            |            |                 |        |              |             |
|--------------------------------------------------------------------------------------------|------------|-----------------|--------|--------------|-------------|
| <b>FROM:</b>                                                                               | <b>NSS</b> | <b>PH:</b>      | (b)(6) | <b>ROOM:</b> | <b>302A</b> |
| <b>SUBJECT: SOC for 12 March DC Meeting on the Japanese Earthquake and Pacific Tsunami</b> |            | <b>PAGES: 6</b> |        |              |             |

**PLEASE DELIVER TO:**

| <u>LOCATION</u> | <u>DELIVER TO</u>                               | <u>ROOM</u> | <u>PHONE</u> |
|-----------------|-------------------------------------------------|-------------|--------------|
| STATE           | EXECUTIVE SECRETARY                             |             |              |
| DEFENSE         | EXECUTIVE SECRETARY                             |             |              |
| COMMERCE        | DIRECTOR, EXECUTIVE SECRETARIAT                 |             |              |
| DHHS            | EXECUTIVE SECRETARY                             |             |              |
| ENERGY          | DIRECTOR, EXECUTIVE SECRETARIAT                 |             |              |
| DHS             | EXECUTIVE SECRETARY                             |             |              |
| USAID           | ACTING EXECUTIVE SECRETARY                      |             |              |
| JCS             | SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5) |             |              |
| NRC             | SECRETARY OF THE COMMISSION                     |             |              |

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**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

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**From:** Boger, Bruce  
**Sent:** Monday, March 14, 2011 1:58 PM  
**To:** Boger, Bruce; Mamish, Nader  
**Cc:** Leeds, Eric; Carter, Mary; Virgilio, Martin; Borchardt, Bill; Meighan, Sean; Tracy, Glenn; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; Cook, William; Wilson, Peter; Dean, Bill  
**Subject:** RE: Partial List

Nader, To complete the list, Bill Cook, SRA in Region 1, is available to support the team.

---

**From:** Boger, Bruce  
**Sent:** Monday, March 14, 2011 1:10 PM  
**To:** Mamish, Nader  
**Cc:** Leeds, Eric; Carter, Mary; Virgilio, Martin; Borchardt, Bill; Meighan, Sean; Tracy, Glenn; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard  
**Subject:** Partial List

Nader, Here's the partial list of folks on the Japanese support team (need to hear back from Region 1 for 1 name):

Chuck Casto  
John Monninger  
Tony Nakanishi  
Tim Kolb  
Jack Foster  
Richard DeVercelly

I've been advised that all have current passports and are available to travel tonight. We're working with them to contact the NRC doctor to discuss medical information. Sean Meighan will work with the HQ folks to coordinate a visit with the doctor and will advise the non-HQ folks to call him.

Thanks in advance for Mary Carter's support on travel logistics.

---

**From:** Vietti-Cook, Annette  
**Sent:** Monday, March 14, 2011 1:55 PM  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader  
**Subject:** FW: eWASH-WH0116  
**Attachments:** 1582.pdf

Attached is a summary of the first Deputies meeting early March 11, 2011, NRC was not in attendance.

EDO for Information

---

**From:** Giles, Vanessa  
**Sent:** Monday, March 14, 2011 1:00 PM  
**To:** Vietti-Cook, Annette  
**Cc:** Wright, Darlene; McKelvin, Sheila; Mike, Linda; Lewis, Antoinette; Champ, Billie  
**Subject:** FW: eWASH-WH0116

Annette, as we discussed, here is the eWash message we received at 12:35pm

We have already receipted for the message.

Let me know if you need anything else.

---

**From:** NRCHQ [mailto:NRCHQ.Resource@nrc.gov]  
**Sent:** Monday, March 14, 2011 12:27 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH-WH0116

---

**From:** eWash-WHSR [REDACTED] (b)(6)  
**Sent:** Monday, March 14, 2011 12:26:47 PM  
**To:** eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov; (b)(6); DOE.Commcenter@in.doe.gov; CommCenterStaff@hq.dhs.gov; (b)(6) NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWASH-WH0116  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

**FROM: NSS**

**PH:**

(b)(6)

**ROOM: 302A**



**SUBJECT: SOC for 11 March First DC Meeting on  
the Japanese Earthquake and Pacific  
Tsunami**

**PAGES: 5**

**PLEASE DELIVER TO:**

| <u>LOCATION</u>             | <u>DELIVER TO</u>                                          | <u>ROOM</u>                 | <u>PHONE</u>                |
|-----------------------------|------------------------------------------------------------|-----------------------------|-----------------------------|
| <u>STATE</u>                | <u>EXECUTIVE SECRETARY</u>                                 | <u>                    </u> | <u>                    </u> |
| <u>DEFENSE</u>              | <u>EXECUTIVE SECRETARY</u>                                 | <u>                    </u> | <u>                    </u> |
| <u>ENERGY</u>               | <u>DIRECTOR, EXECUTIVE<br/>SECRETARIAT</u>                 | <u>                    </u> | <u>                    </u> |
| <u>DHS</u>                  | <u>EXECUTIVE SECRETARY</u>                                 | <u>                    </u> | <u>                    </u> |
| <u>USAID</u>                | <u>ACTING EXECUTIVE SECRETARY</u>                          | <u>                    </u> | <u>                    </u> |
| <u>JCS</u>                  | <u>SPECIAL ASSISTANT FOR<br/>INTERAGENCY AFFAIRS (J-5)</u> | <u>                    </u> | <u>                    </u> |
| <u>NRC</u>                  | <u>SECRETARY OF THE COMMISSION</u>                         | <u>                    </u> | <u>                    </u> |
| <u>                    </u> | <u>                                            </u>        | <u>                    </u> | <u>                    </u> |
| <u>                    </u> | <u>                                            </u>        | <u>                    </u> | <u>                    </u> |
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| <u>                    </u> | <u>                                            </u>        | <u>                    </u> | <u>                    </u> |
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| <u>                    </u> | <u>                                            </u>        | <u>                    </u> | <u>                    </u> |
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**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

March 14, 2011

MEMORANDUM FOR DEPUTIES

(b)(5),(b)(6)

Attachment

Tab A Summary of Conclusions

# Tab A

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

(b)(5),(b)(6)

(b)(5)

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 1:55 PM  
**To:** Meighan, Sean  
**Subject:** RE: Health Unit Coordination: Confirmation of names for Japan

I'll be there at 2:15. Thanks Sean.

---

**From:** Meighan, Sean  
**Sent:** Monday, March 14, 2011 1:54 PM  
**To:** Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Monninger, John  
**Cc:** Cadoux, Claude  
**Subject:** RE: Health Unit Coordination: Confirmation of names for Japan

Hi All:

If you can stop by the Health Center (2<sup>nd</sup> floor bldg 1) at 2:15 today Dr. Cadoux will discuss your deployment to Japan. (Tim, give me a call (415-1020) when you get a chance)

Please respond when you receive this message.

Very Respectfully  
Sean

---

**From:** Meighan, Sean  
**Sent:** Monday, March 14, 2011 1:39 PM  
**To:** Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Monninger, John; Casto, Chuck; Devercelly, Richard  
**Cc:** Cadoux, Claude  
**Subject:** Health Unit Coordination: Confirmation of names for Japan

Hi All:

As members of the team to support the events in Japan, I will be coordinating some time with you to visit (people at HQ, call for Chuck and Richard) our physician Dr. Claude Cadoux on the medical aspects of your deployment.

I will be asking the HQ people to (if possible) visit Dr. Cadoux all at once. Chuck and Richard I will set up a bridge line. I will call you both to coordinate times.

Very Respectfully  
Sean

---

**From:** Leeds, Eric  
**Sent:** Monday, March 14, 2011 1:11 PM  
**To:** Collins, Elmo; Satorius, Mark; McCree, Victor; Dean, Bill; Sheron, Brian; Tracy, Glenn; Hudson, Jody; Johnson, Michael; Miller, Charles; Haney, Catherine; Zimmerman, Roy; Stewart, Sharon; Virgilio, Martin; Weber, Michael; Borchardt, Bill; Mamish, Nader; Doane, Margaret; Muessle, Mary

**Cc:** Boger, Bruce; Grobe, Jack; Ruland, William; Meighan, Sean  
**Subject:** Confirmation of names for Japan

Folks –

Thanks so much for your help – we have a strong database of names/expertise to support the Japanese. For this first wave, we are sending Chuck Casto, John Monninger, Tony Nakanishi, Tim Kolb, Jack Foster and Richard Devercelly. I believe that Bruce Boger has contacted all those going to join Tony Ulsis and Jim Trapp in Japan.

I imagine that at some point we may need to send a second wave of responders to relieve our first wave. We will let you know as soon as we know if this needs to be done. We are also sensitive not to over-burden any one office.

Thanks again for your support!

Eric J. Leeds, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
301-415-1270

---

**From:** Vietti-Cook, Annette  
**Sent:** Monday, March 14, 2011 1:45 PM  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader  
**Subject:** FW: eWASH-WH0117  
**Attachments:** 1592.pdf

Attached is a summary of earlier Deputies meeting attended by the Chairman (March 11, 2011).

EDO for Information

---

**From:** Giles, Vanessa  
**Sent:** Monday, March 14, 2011 1:01 PM  
**To:** Vietti-Cook, Annette  
**Cc:** Mike, Linda; Wright, Darlene; Lewis, Antoinette; Champ, Billie; Mike, Linda  
**Subject:** FW: eWASH-WH0117

---

**From:** NRCHQ [mailto:NRCHQ.Resource@nrc.gov]  
**Sent:** Monday, March 14, 2011 12:30 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH-WH0117

---

**From:** eWash-WHSR [REDACTED] (b)(6)  
**Sent:** Monday, March 14, 2011 12:28:33 PM  
**To:** eWash-USAID (AID.ETaskerMailLISTUSAID@usaid.gov); ewash@state.gov; [REDACTED] (b)(6); DOI\_Watch\_office@ios.doi.gov; Fay\_ludicello@ios.doi.gov; ewash@doc.gov; Ekaterini Malliou (HHS Executive Secretariat); HHSComSec@hhs.gov; HHSExecSec@hhs.gov; CommCenterStaff@hq.dhs.gov; [REDACTED] (b)(6); NRCHQ  
**Cc:** eWash-WHSR  
**Subject:** eWASH-WH0117  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

|                  |                              |                   |
|------------------|------------------------------|-------------------|
| <b>FROM:</b> NSS | <b>PH:</b> [REDACTED] (b)(6) | <b>ROOM:</b> 302A |
|------------------|------------------------------|-------------------|



**SUBJECT: SOC for 11 March Second DC Meeting on PAGES: 6**  
**the Japanese Earthquake and Pacific**  
**Tsunami**

**PLEASE DELIVER TO:**

| <u>LOCATION</u> | <u>DELIVER TO</u>                               | <u>ROOM</u> | <u>PHONE</u> |
|-----------------|-------------------------------------------------|-------------|--------------|
| STATE           | EXECUTIVE SECRETARY                             |             |              |
| DEFENSE         | EXECUTIVE SECRETARY                             |             |              |
| INTERIOR        | DIRECTOR, EXECUTIVE SECRETARIAT                 |             |              |
| COMMERCE        | DIRECTOR, EXECUTIVE SECRETARIAT                 |             |              |
| DHHS            | EXECUTIVE SECRETARY                             |             |              |
| DHS             | EXECUTIVE SECRETARY                             |             |              |
| USAID           | ACTING EXECUTIVE SECRETARY                      |             |              |
| JCS             | SPECIAL ASSISTANT FOR INTERAGENCY AFFAIRS (J-5) |             |              |
| NRC             | SECRETARY OF THE COMMISSION                     |             |              |
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**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

March 14, 2011

MEMORANDUM FOR DEPUTIES

(b)(5),(b)(6)

(b)(5),(b)(6)

Attachment  
Tab A Summary of Conclusions

# Tab A

**NATIONAL SECURITY STAFF**  
**WASHINGTON, D.C. 20504**

(b)(5),(b)(6)

(b)(5)

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**From:** Smith, Brooke  
**Sent:** Monday, March 14, 2011 1:42 PM  
**To:** Foggie, Kirk; LIA02 Hoc; Monninger, John  
**Subject:** RE: Tony Ulises

Me too.

---

**From:** Foggie, Kirk  
**Sent:** Monday, March 14, 2011 1:41 PM  
**To:** LIA02 Hoc; Smith, Brooke; Monninger, John  
**Subject:** RE: Tony Ulises

I leave tomorrow. If she can she can bring the clothes to hq I can pick them up later today.

---

**From:** LIA02 Hoc  
**Sent:** Monday, March 14, 2011 1:39 PM  
**To:** Smith, Brooke; Foggie, Kirk; Monninger, John  
**Subject:** Tony Ulises  
**Importance:** High

(b)(6)

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 1:41 PM  
**To:** Carter, Mary  
**Cc:** Mamish, Nader  
**Subject:** RE: Partial List

Mary,

I'll be using my Official Government Passport. I don't have a personal one. OIP has my Government passport in the file cabinet/safe down there. I believe the information on my passport is as follows:

Name: John David Monninger

DOB: [REDACTED] (b)(6)

PP #: [REDACTED]

PP Expiration: [REDACTED] (b)(6)

---

**From:** Mamish, Nader  
**Sent:** Monday, March 14, 2011 1:35 PM  
**To:** Boger, Bruce  
**Cc:** Leeds, Eric; Carter, Mary; Virgilio, Martin; Borchardt, Bill; Meighan, Sean; Tracy, Glenn; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard; LIA03 Hoc; Foggie, Kirk; Smith, Brooke  
**Subject:** RE: Partial List

Thanks to all for your willingness to support. For those of you who may not have provided some needed information, could you please e-mail Mary Carter the following information ASAP?

**Your name as it appears on your passport**

**DOB**

**Passport number**

**Passport expiration date**

We're looking at a flight tomorrow. Kirk Foggie will brief the team on logistics during the flight (Margie briefed Chuck).

Thanks again!

---

**From:** Boger, Bruce  
**Sent:** Monday, March 14, 2011 1:10 PM  
**To:** Mamish, Nader  
**Cc:** Leeds, Eric; Carter, Mary; Virgilio, Martin; Borchardt, Bill; Meighan, Sean; Tracy, Glenn; Casto, Chuck; Monninger, John; Nakanishi, Tony; Kolb, Timothy; Foster, Jack; Devercelly, Richard  
**Subject:** Partial List

Nader, Here's the partial list of folks on the Japanese support team (need to hear back from Region 1 for 1 name):

Chuck Casto  
John Monninger  
Tony Nakanishi  
Tim Kolb  
Jack Foster



Richard DeVercelly

I've been advised that all have current passports and are available to travel tonight. We're working with them to contact the NRC doctor to discuss medical information. Sean Meighan will work with the HQ folks to coordinate a visit with the doctor and will advise the non-HQ folks to call him.

Thanks in advance for Mary Carter's support on travel logistics.

---

**From:** Kreuter, Jane  
**Sent:** Monday, March 14, 2011 1:38 PM  
**To:** Monninger, John  
**Subject:** RE: I also need your BB# Thanks

Thank you. Be safe!

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 1:36 PM  
**To:** Kreuter, Jane  
**Subject:** RE: I also need your BB# Thanks

BB

(b)(6)

---

**From:** Kreuter, Jane  
**Sent:** Monday, March 14, 2011 1:23 PM  
**To:** Monninger, John  
**Subject:** I also need your BB# Thanks

**Jane A. Kreuter**

U.S. Nuclear Regulatory Commission  
Office of International Programs

Phone: 301-415-1780

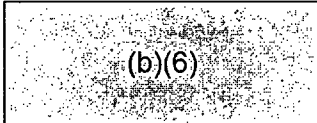
Fax: 301-415-2395

E-Mail: [Jane.Kreuter@nrc.gov](mailto:Jane.Kreuter@nrc.gov)

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 1:35 PM  
**To:** Kreuter, Jane  
**Subject:** RE: contact info

Monninger emergency contact information is:



C: (b)(6)

Email: (b)(6)

---

**From:** Kreuter, Jane  
**Sent:** Monday, March 14, 2011 1:19 PM  
**To:** Monninger, John  
**Subject:** contact info  
**Importance:** High

John,

I am in the process of gathering information for the emergency contact list for the travelers to Japan. I am in need of an emergency contact name, phone number and email. Thanks.

**Jane A. Kreuter**

U.S. Nuclear Regulatory Commission

Office of International Programs

Phone: 301-415-1780

Fax: 301-415-2395

E-Mail: [Jane.Kreuter@nrc.gov](mailto:Jane.Kreuter@nrc.gov)

---

**From:** Vietti-Cook, Annette  
**Sent:** Monday, March 14, 2011 1:33 PM  
**To:** Jaczko, Gregory; Skeen, David  
**Cc:** Batkin, Joshua; Coggins, Angela; Monninger, John; Brenner, Eliot; Hayden, Elizabeth; Borchardt, Bill; Virgilio, Martin; Weber, Michael; Svinicki, Kristine; Sharkey, Jeffry; Apostolakis, George; Sosa, Belkys; Bubar, Patrice; Magwood, William; Ostendorff, William; Nieh, Ho; Burns, Stephen; Rothschild, Trip; Doane, Margaret; Mamish, Nader  
**Subject:** FW: eWASH-WH0118  
**Attachments:** 1609.pdf

Attached is a summary of the Deputies meeting March 12, attended by the Chairman and David Skeen. NRC action to support White House press. Summary of earlier Deputies meetings to follow.

To OPA/EDO for Appropriate Action

---

**From:** Giles, Vanessa  
**Sent:** Monday, March 14, 2011 1:02 PM  
**To:** Vietti-Cook, Annette  
**Cc:** Mike, Linda; Wright, Darlene; Lewis, Antoinette; Champ, Billie  
**Subject:** FW: eWASH-WH0118

---

**From:** NRCHQ [mailto:NRCHQ.Resource@nrc.gov]  
**Sent:** Monday, March 14, 2011 12:32 PM  
**To:** Dodmead, James; Mangefrida, Michael; Giles, Vanessa; Parsons, Darryl  
**Subject:** FW: eWASH-WH0118

---

**From:** eWash-WHSR [REDACTED] (b)(6)  
**Sent:** Monday, March 14, 2011 12:30:44 PM  
**To:** eWash-USAID (AID.EStaskerMailLISTUSAID@usaid.gov); ewash@state.gov; [REDACTED] (b)(6); ewash@doc.gov; Ekaterini Malliou (HHS Executive Secretariat); HHSComSec@hhs.gov; HHSExecSec@hhs.gov; DOE.Commcenter@in.doe.gov; CommCenterStaff@hq.dhs.gov; [REDACTED] (b)(6)  
**Cc:** eWash-WHSR  
**Subject:** eWASH-WH0118  
**Auto forwarded by a Rule**

**CLASSIFICATION: UNCLASSIFIED**

|           |                       |            |
|-----------|-----------------------|------------|
| FROM: NSS | PH: [REDACTED] (b)(6) | ROOM: 302A |
|-----------|-----------------------|------------|

**SUBJECT: SOC for 12 March DC Meeting on the  
Japanese Earthquake and Pacific  
Tsunami**

**PAGES: 6**

**PLEASE DELIVER TO:**

| <u>LOCATION</u> | <u>DELIVER TO</u>                                  | <u>ROOM</u> | <u>PHONE</u> |
|-----------------|----------------------------------------------------|-------------|--------------|
| STATE           | EXECUTIVE SECRETARY                                |             |              |
| DEFENSE         | EXECUTIVE SECRETARY                                |             |              |
| COMMERCE        | DIRECTOR, EXECUTIVE<br>SECRETARIAT                 |             |              |
| DHHS            | EXECUTIVE SECRETARY                                |             |              |
| ENERGY          | DIRECTOR, EXECUTIVE<br>SECRETARIAT                 |             |              |
| DHS             | EXECUTIVE SECRETARY                                |             |              |
| USAID           | ACTING EXECUTIVE SECRETARY                         |             |              |
| JCS             | SPECIAL ASSISTANT FOR<br>INTERAGENCY AFFAIRS (J-5) |             |              |
| NRC             | SECRETARY OF THE COMMISSION                        |             |              |
|                 |                                                    |             |              |
|                 |                                                    |             |              |
|                 |                                                    |             |              |
|                 |                                                    |             |              |
|                 |                                                    |             |              |
|                 |                                                    |             |              |
|                 |                                                    |             |              |

**SPECIAL DELIVERY INSTRUCTIONS/REMARKS:**

NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

(b)(5),(b)(6)

(b)(5),(b)(6)

Attachment

Tab A Summary of Conclusions

# Tab A



NATIONAL SECURITY STAFF  
WASHINGTON, D.C. 20504

(b)(5),(b)(6)

(b)(5)

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**From:** Ash, Darren  
**Sent:** Monday, March 14, 2011 12:31 PM  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Subject:** FW: Update on ADM Activities to Support Japan Efforts

Simply for your awareness – no reply requested.

---

**From:** Stewart, Sharon  
**Sent:** Monday, March 14, 2011 12:29 PM  
**To:** Ash, Darren  
**Cc:** Gusack, Barbara; Ross-Lee, MaryJane; Pretzello, Andrew; Kerben, Valerie; Humerick, David; Schoenmann, Sandra  
**Subject:** Update on ADM Activities to Support Japan Efforts

Darren,

We have provided the Op Center with the following:

Dosimeter Badges ~ 20 additional dosimeter badges (already provided 10). We are ordering additional badges to ensure we have an adequate inventory.

Passing Clearances for NRC Employees ~ Last night Valerie forwarded clearance information to the CSO in Japan for Anthony Usles and James Trapp (NRR). Today, she provided the clearances for Jason Kozal, Jeffrey Kowalczyk, and Michael Dudek (NSIR) to the contact at USAID.

Parking ~ DAS has made parking available for individuals working in the Op Center around the clock.

Cleaning ~ Due to the heavy use of the Op Center, we have scheduled additional cleaning.

Thanks!

Sharon D. Stewart-Clark, Acting Director  
Office of Administration  
301/492-3500

---

**From:** Casto, Chuck  
**Sent:** Monday, March 14, 2011 11:30 AM  
**To:** Mamish, Nader  
**Cc:** Virgilio, Martin; Brenner, Eliot; Leeds, Eric; Monninger, John; Boger, Bruce; McCree, Victor  
**Subject:** Casto Bio & Pic  
**Attachments:** castobioJapan.docx; casto DBA.jpg

Folks, Victor suggested that I send you a Bio.....attached....

casto



Charles A. Casto, Deputy Regional Administrator, Nuclear Regulatory Commission

Prior to joining the Nuclear Regulatory Commission, Mr. Casto worked in the commercial nuclear power industry at three nuclear sites. He was a licensed Reactor Operator and Reactor Operator Instructor at Browns Ferry, a three-unit General Electric Boiling Water plant in Alabama. He was a NRC certified Senior Reactor Operator instructor at Brunswick Nuclear Plant, a two-unit General Electric Boiling Water Reactor. He completed his initial reactor operator training at Sequoyah a two-unit Pressurized Water Reactor in Tennessee. He also served five years in the U.S. Air Force in the nuclear weapons program.

He has completed two IAEA missions one to Slovenia and another on an expert team that reviewed the destruction of 32 reactor fuel bundles at the PAKS reactor in Hungary.

In 1992-1993, Chuck served on a Congressional Fellowship as a Legislative Assistant to U.S. Senator Harry Reid. He also served on rotations as a Technical Assistant to the Executive Director for Operations, as the Reactor Programs Assistant to NRC Chairman Selin.

Charles started in the NRC as an Operator Licensing Examiner administering examinations to Boiling Water Reactor Operators then moved into supervisory and management positions throughout the NRC. Charles Casto is the Deputy Regional Administrator for the Center of Construction Inspection for the Nuclear Regulatory Commission.

He holds a B.S. degree from the State University of New York, a Masters in Public Administration from the University of Georgia and is a Doctoral candidate in Business at Kennesaw State University in Georgia.

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 11:05 AM  
**To:** Batkin, Joshua  
**Subject:** RE: Please

Yes, I stopped by and provide a phonetic pronunciation for them.

Yacht-Zo  
Yaht-Zo

They were appreciative.

-----Original Message-----

From: Batkin, Joshua  
Sent: Monday, March 14, 2011 9:45 AM  
To: Monninger, John  
Subject: Please

Very nicely make sure the HOOs know how to pronounce his name. (May have been the state operator so go easy)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Pearson, Laura  
**Sent:** Monday, March 14, 2011 10:48 AM  
**To:** Monninger, John; Batkin, Joshua; Loyd, Susan  
**Subject:** FW: Bogus NRC WebSite  
**Attachments:** Japan's Plant Situation(03-13-2011)11-046.pdf  
  
**Importance:** High

Issue re: the bogus "radioactive fallout map" is under control (see below).

-----Original Message-----

**From:** Graham, Thorne  
**Sent:** Monday, March 14, 2011 10:43 AM  
**To:** Pearson, Laura; HOO Hoc  
**Cc:** Watkins, Charles; McCarthy, James; Dodmead, James; Lyons-Burke, Kathy  
**Subject:** RE: Bogus NRC WebSite  
**Importance:** High

Laura / HOO,

Greetings. The CSIRT was brought into this thread through the USCERT. I want to ensure that once NSIR / HOO/ ILTAB have determined a position that you utilize the CSIRT as we are the official point of contact that should be reporting these incidents / events to the USCERT. While we are not 24/7 on site, we are 24/7 on call to help the agency assess and report cyber security incidents.

In the event that there is a crisis situation and the HOO determines that any additional reporting delay is unacceptable (loss of life, CIP issues, etc.) I ask that the CSIRT is included on the (TO:) addressee list.

We were going out to the FBI this morning until we performed additional analysis to find that the NRC had already provided a public announcement (attached) on our website and on our blog that would have indicated that this site and others like it were / are bogus. We are also working to publish an agency announcement today to allay any additional concerns surrounding unofficial postings which may be using the NRC name.

Thanks, Thorne

Thorne A. Graham, CISSP, GWCPM  
SITSO, Cyber Situational Awareness  
Computer Security Office, US NRC  
Office: 301-415-6596

-----Original Message-----

**From:** Watkins, Charles  
**Sent:** Monday, March 14, 2011 9:05 AM  
**To:** CS\_IRT  
**Subject:** FW: Bogus NRC WebSite  
**Importance:** High



US-CERT # INC000000139214

We need to look into this a little. Looks like someone may be using the NRC logo without authorization. Did the SOC receive an alert on this from US-CERT? Thanks, Charlie

-----Original Message-----

From: soc@us-cert.gov [mailto:soc@us-cert.gov]

Sent: Monday, March 14, 2011 8:55 AM

To: Watkins, Charles

Subject: FW: Bogus NRC WebSite

-----Original Message-----

From: HOO Hoc [mailto:HOO.Hoc@nrc.gov]

Sent: Sunday, March 13, 2011 9:54 AM

To: SOC

Cc: McDermott, Brian; HOO Hoc

Subject: Bogus NRC WebSite

Mark,

Per our conversation, the link in the e-mail below (from the Drudge Report) is bogus and the NRC would like it shut down if DHS can help

Thanks Bill Huffman

Headquarters Operations Officer  
U.S. Nuclear Regulatory Commission

Phone: 301-816-5100

Fax: 301-816-5151

email: [hoo.hoc@nrc.gov](mailto:hoo.hoc@nrc.gov)

secure e-mail: [hoo1@nrc.sgov.gov](mailto:hoo1@nrc.sgov.gov)

-----Original Message-----

From: Brenner, Eliot

Sent: Sunday, March 13, 2011 9:46 AM

To: HOO Hoc

Subject: FW: March 13 0730 Update

The link below is what we are interested in finding out about.

-----Original Message-----

From: Batkin, Joshua

Sent: Sunday, March 13, 2011 8:55 AM

To: Brenner, Eliot; Harrington, Holly; Loyd, Susan

Subject: Fw: March 13 0730 Update

Eliot - can your folks check out this link?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Pearson, Laura  
To: Hipschman, Thomas; Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna  
Sent: Sun Mar 13 08:48:20 2011  
Subject: RE: March 13 0730 Update

This rather alarming "radioactive fallout map," which says it is a USNRC product, is linked on the Drudge Report:

<http://www.japan.org/wp-content/uploads/2011/03/falloutmap2.jpg>.

Is this authentic? If so, some of the messaging may address what it means for people on the West Coast. This kind of context-free raw data might cause public concern.

---

From: Hipschman, Thomas  
Sent: Sunday, March 13, 2011 7:45 AM  
To: Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna; Pearson, Laura  
Subject: March 13 0730 Update

Daiichi Unit 1 - there is core damage and a release in progress of fission products. Continuing to use borated seawater. Containment is intact. Release path could be through standby gas treatment system Unit 2- no core damage, unit is intact Unit 3 - core damage - using borated seawater similar to Unit 1

Daiini Unit 1 - no core damage, normal makeup, venting Units 2-4, shutdown, no damage

First NRC person, Tony Ulses has arrived in Japan and Jim Trapp should be arriving soon

#### Messaging

Want to ensure we are coordinating effectively, lots of misinformation out there.

Waiting for White House to issue a press release - will describe we are assisting and US is not at risk NRC is preparing a supplemental press release in case it's needed

DOE reports that USS Ronald Reagan is picking up airborne contamination and contamination on helicopters. Approximately 100 miles out to sea. We are looking to see if this consistent with plume calculations

No mention of next update



# NRC NEWS

## U.S. NUCLEAR REGULATORY COMMISSION

Office of Public Affairs

Telephone: 301/415-8200

Washington, D.C. 20555-0001

E-mail: [opa.resource@nrc.gov](mailto:opa.resource@nrc.gov) Site: [www.nrc.gov](http://www.nrc.gov)

Blog: <http://public-blog.nrc-gateway.gov>

No. 11-046

March 13, 2011

(Revised)

### **NRC SEES NO RADIATION AT HARMFUL LEVELS REACHING U.S. FROM DAMAGED JAPANESE NUCLEAR POWER PLANTS**

The Nuclear Regulatory Commission is coordinating with the Department of Energy and other federal agencies in providing whatever assistance the Japanese government requests as they respond to conditions at several nuclear power plant sites following the March 11 earthquake and tsunami. The NRC has sent two boiling-water reactor experts to Japan as part of a U.S. Agency for International Development team.

In response to nuclear emergencies, the NRC works with other U.S. agencies to monitor radioactive releases and predict their path. All the available information indicates weather conditions have taken the small releases from the Fukushima reactors out to sea away from the population. Given the thousands of miles between the two countries, Hawaii, Alaska, the U.S. Territories and the U.S. West Coast are not expected to experience any harmful levels of radioactivity.

During a nuclear event the NRC has requirements to protect populations around reactors. For instance, the U.S. evacuation standard at 10 miles is roughly equivalent to the 20-kilometer distance recommended in Japan. The United States also uses sheltering in place and potassium iodide, protective measures also available in Japan. United States citizens in Japan are encouraged to follow the protective measures recommended by the Japanese government. These measures appear to be consistent with steps the United States would take.

The NRC will not comment on hour-to-hour developments at the Japanese reactors. This is an ongoing crisis for the Japanese who have primary responsibility.

###

News releases are available through a free *listserv* subscription at the following Web address: <http://www.nrc.gov/public-involve/listserver.html>. The NRC homepage at [www.nrc.gov](http://www.nrc.gov) also offers a SUBSCRIBE link. E-mail notifications are sent to subscribers when news releases are posted to NRC's website.

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 10:02 AM  
**To:** (b)(6)  
**Subject:** Please Call me as soon as possible

(b)(6)

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 9:48 AM  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Subject:** Re: Please

Will do.

I would like to discuss the Japanese delegation with you. There are options based on the statement we want to make.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Mon Mar 14 09:44:44 2011  
**Subject:** Please

Very nicely make sure the HOOs know how to pronounce his name. (May have been the state operator so go easy)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Hipschman, Thomas  
**Sent:** Monday, March 14, 2011 9:21 AM  
**To:** Monninger, John  
**Subject:** Training

I'm attending today. Couldn't get a flight back until Tuesday.

---

**From:** Coggins, Angela  
**Sent:** Monday, March 14, 2011 8:24 AM  
**To:** Monninger, John  
**Subject:** Re: 8:30

Waiting on elevator now  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Mon Mar 14 08:21:08 2011  
Subject: 8:30

My thought is to keep the 8:30 on. If the Chairman comes back, he would run it. If not, Angela and I could run it while you guys are at the SCIF/Ops Center. The 8:30 attendees may have some updates for the Chairman. We could pass them on.

-----Original Message-----

From: Batkin, Joshua  
Sent: Monday, March 14, 2011 7:48 AM  
To: Coggins, Angela; Monninger, John  
Subject: Re: I won't call in

K

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Coggins, Angela  
To: Batkin, Joshua; Monninger, John  
Sent: Mon Mar 14 07:42:54 2011  
Subject: I won't call in

Trying to walk out door now. Call on bb if you need me.  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

---

**From:** Batkin, Joshua  
**Sent:** Monday, March 14, 2011 7:53 AM  
**To:** Monninger, John  
**Subject:** He has his bb

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 7:53 AM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** Re: I won't call in

I took Chairman binder food keys and BB to our office.

He may want BB.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Coggins, Angela; Monninger, John  
Sent: Mon Mar 14 07:48:27 2011  
Subject: Re: I won't call in

K

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Coggins, Angela  
To: Batkin, Joshua; Monninger, John  
Sent: Mon Mar 14 07:42:54 2011  
Subject: I won't call in

Trying to walk out door now. Call on bb if you need me.

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 7:24 AM  
**To:** Coggins, Angela  
**Subject:** Re: I'm out

Ok.

John Monninger

(b)(6)

----- Original Message -----

**From:** Coggins, Angela  
**To:** Monninger, John  
**Sent:** Mon Mar 14 07:24:08 2011  
**Subject:** Re: I'm out

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

**From:** Monninger, John  
**To:** Coggins, Angela; Batkin, Joshua  
**Sent:** Mon Mar 14 07:22:19 2011  
**Subject:** Re: I'm out

(b)(5)

John Monninger

(b)(6)

----- Original Message -----

**From:** Coggins, Angela  
**To:** Monninger, John; Batkin, Joshua  
**Sent:** Mon Mar 14 07:20:50 2011  
**Subject:** Re: I'm out

Thanks! I'm going to do it by phone from here and then head in just afterward.

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

**From:** Monninger, John  
**To:** Coggins, Angela; Batkin, Joshua

Sent: Mon Mar 14 07:18:13 2011

Subject: Re: I'm out

(b)(5)

(b)(5)

John Monninger

(b)(6)

----- Original Message -----

From: Coggins, Angela

To: Monninger, John; Batkin, Joshua

Sent: Mon Mar 14 06:47:22 2011

Subject: Re: I'm out

(b)(5)

Angela Coggins

Policy Director

Office of Chairman Gregory B Jaczko

US Nuclear Regulatory Commission

[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John

To: Coggins, Angela; Batkin, Joshua

Sent: Mon Mar 14 06:46:11 2011

Subject: Re: I'm out

(b)(5)

Things look considerably worse if all 3 units have been without cooling for 18 hours.

John Monninger

(b)(6)

----- Original Message -----

From: Coggins, Angela

To: Monninger, John; Batkin, Joshua

Sent: Mon Mar 14 06:43:12 2011

Subject: Re: I'm out

(b)(5)

Angela Coggins

Policy Director

Office of Chairman Gregory B Jaczko

US Nuclear Regulatory Commission

[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Mon Mar 14 05:54:28 2011  
Subject: Re: I'm out

I'm on the bus now. Should be in by 645.  
John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Coggins, Angela; Monninger, John  
Sent: Sun Mar 13 23:24:35 2011  
Subject: Re: I'm out

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Coggins, Angela  
To: Batkin, Joshua; Monninger, John  
Sent: Sun Mar 13 23:23:46 2011  
Subject: Re: I'm out

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John; Coggins, Angela  
Sent: Sun Mar 13 23:21:28 2011  
Subject: I'm out

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Monday, March 14, 2011 6:48 AM  
**To:** Coggins, Angela; Batkin, Joshua  
**Subject:** Re: I'm out

Will do.

John Monninger

(b)(6)

----- Original Message -----

**From:** Coggins, Angela  
**To:** Monninger, John; Batkin, Joshua  
**Sent:** Mon Mar 14 06:47:22 2011  
**Subject:** Re: I'm out

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

**From:** Monninger, John  
**To:** Coggins, Angela; Batkin, Joshua  
**Sent:** Mon Mar 14 06:46:11 2011  
**Subject:** Re: I'm out

(b)(5)

Things look considerably worse if all 3 units have been without cooling for 18 hours.

John Monninger

(b)(6)

----- Original Message -----

**From:** Coggins, Angela  
**To:** Monninger, John; Batkin, Joshua  
**Sent:** Mon Mar 14 06:43:12 2011  
**Subject:** Re: I'm out

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Mon Mar 14 05:54:28 2011  
Subject: Re: I'm out

I'm on the bus now. Should be in by 645.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Coggins, Angela; Monninger, John  
Sent: Sun Mar 13 23:24:35 2011  
Subject: Re: I'm out

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Coggins, Angela  
To: Batkin, Joshua; Monninger, John  
Sent: Sun Mar 13 23:23:46 2011  
Subject: Re: I'm out

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John; Coggins, Angela  
Sent: Sun Mar 13 23:21:28 2011  
Subject: I'm out

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Joe Colvin <president@ans.org>  
**Sent:** Monday, March 14, 2011 1:32 AM  
**To:** Monninger, John  
**Subject:** Talking Points on Implications of Fukushima Accident to U.S. Nuclear Plants  
**Attachments:** ANS Talking Points - 2011-03-13 R1\_2.pdf

Dear ANS Members:

Over the last two days, the ANS Crisis Communications team has been very proactive and has handled a multitude of media and press calls. ANS spokespersons have participated in national television, radio and press interviews providing the views of the nuclear science and technology experts within the Society. We are particularly grateful to Dr. Dale Klein who has given tremendous support to the Society and the public in response to the events at Fukushima.

We have begun fielding media inquiries about the implications of the problems at Fukushima on the US program. We have prepared the attached talking points to assist responders to this line of questions. The talking points are consistent with the talking points prepared by the Nuclear Energy Institute (NEI) on the same subject.

Thank you all for your strong support!

Joe

The predominance of ANS members reside in the U.S. As we interact with our family, neighbors and citizens in our communities many questions will come based on news coverage of the nuclear power plant situation in Japan. These talking points key on the theme 'could it happen in the U.S.?' \*

### ANS Member Talking Points

#### Implications to U.S. nuclear energy program from the Japanese earthquake

It is premature for the technical community to draw conclusions from the earthquake and tsunami tragedy in Japan with regard to the U.S. nuclear energy program. Many opposed to nuclear power will try to use this event to call for changes in the U.S. Japan is facing beyond a "worst case" disaster since we, the technical community, did not hypothesize an event of this magnitude. Thus far, even the most seriously damaged of Japan's 54 reactors have not released radiation at levels that would harm the public. That is testament to the way professionals in our profession operate: our philosophy of defense in-depth, excellent designs, high standards of construction, conduct of operations, and most important the effectiveness of employees in following emergency preparedness planning.

The Nuclear Science and Technology (NS&T) community takes very seriously our commitment to safe operation of any nuclear facility and will incorporate lessons learned based on this experience into our safety and operating procedures. The ANS will facilitate the sharing of technical information so that these lessons receive wide distribution and be archived for future stewards of this technology. Some points to remember from this week:

- Nuclear power plants have proven their value to society in Japan, the United States and elsewhere. They provide large amounts of base load electricity on an around-the-clock basis, and they do so cost-effectively with the lowest electricity production costs of any large energy source. Both Japan and the United States have benefited greatly from nuclear energy; it has been instrumental in the nations' economic success over the past half century and their high standard of living.
- Our hallmark as a NS&T organization is to incorporate operating experience and lessons learned. When we fully understand the facts surrounding the event in Japan, we will share, document and use those insights to make NS&T even safer.
- Nuclear energy has been and will continue to be a key element in meeting America's energy needs. The nuclear industry sets the highest standards for safety and, through our focus on continuous learning; we will incorporate lessons learned from the events in Japan. The dominant factors determining technology used for new generation will be demand for new generation, the competitiveness of nuclear energy in comparison with other sources of electricity generation, and the continued safe operation of U.S. nuclear power plants.



- There has not been a rush to judgment on the part of U.S. policymakers during the first few days of this situation. We believe that is due in part to the recognition on their part that nuclear energy must continue to play a key role in a diversified energy portfolio that strengthens U.S. energy security and fuels economic growth.

\* The genesis of this document is the NEI "Talking Points - Implications to U.S. nuclear energy program of the Japanese earthquake" dated March 13, 2011

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**From:** Marshall, Michael  
**Sent:** Sunday, March 13, 2011 11:54 PM  
**To:** Batkin, Joshua; Monninger, John; Hipschman, Thomas; Bradford, Anna; Warren, Roberta; Pearson, Laura; Loyd, Susan; Coggins, Angela  
**Subject:** FYI: 11:30 pm Commission Assistant brief.

Hello,

No new information beyond what was included in the 2230 EDT and 2200 EDT USNRC Emergency Operations Center Status Update on the earthquake / tsunami.

- NRC op center is following events concerning units 1 and 3 at Fukushima Daiichi. Mentioned that hydrogen explosion occurred at unit 3 that damaged the secondary containment. The explosion was characterized as being less dramatic than the hydrogen explosion on unit 1, but appears to have caused more damage. The hydrogen explosion would indicate some degree of fuel damage.
- NRC op center is hearing about issues at another site – Onagawa, but does not have details at this time.
- NRC op center is in contact with NRC staff sent to Japan.
- During the night, the focus of staff in op center will be on preparing for possible questions that the NRC can expect to receive concerning US facilities.

It was suggested that everyone on the call read the latest NRC press release: <http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-046.pdf>.

The next Commission Assistant brief will be 7:30 am.

Michael

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 10:18 PM  
**To:** Ash, Darren  
**Subject:** Re: Test at 9:41

Many thanks Darren.  
John Monninger

(b)(6)

----- Original Message -----

From: Ash, Darren  
To: Monninger, John  
Sent: Sun Mar 13 22:09:26 2011  
Subject: Re: Test at 9:41

They're making progress ... we have a variety of folks working on different aspects of the system - blackberry, outlook.

----- Original Message -----

From: Monninger, John  
To: Ash, Darren  
Sent: Sun Mar 13 22:06:46 2011  
Subject: Re: Test at 9:41

Yes I received it at 945.

John Monninger

(b)(6)

----- Original Message -----

From: Ash, Darren  
To: Monninger, John; Ash, Darren  
Sent: Sun Mar 13 21:45:56 2011  
Subject: Test at 9:41

---

**From:** Marshall, Michael  
**Sent:** Sunday, March 13, 2011 10:13 PM  
**To:** Bradford, Anna; Hipschman, Thomas; Batkin, Joshua; Monninger, John; Coggins, Angela; Loyd, Susan; Pearson, Laura  
**Subject:** RE: March 13 0730 Update

Anna,

There was a brief at 3:30 pm. The next is 11:30pm. I will be sending out a summary after the 11:30 pm brief.

Michael

---

**From:** Bradford, Anna  
**Sent:** Sunday, March 13, 2011 10:10 PM  
**To:** Hipschman, Thomas; Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Pearson, Laura  
**Subject:** Re: March 13 0730 Update

Any more recent info since this that anyone could take a minute to share?  
Have there been more CA briefs since this morning, or no?

---

**From:** Hipschman, Thomas  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna; Pearson, Laura  
**Sent:** Sun Mar 13 07:45:06 2011  
**Subject:** March 13 0730 Update

Daiichi Unit 1 – there is core damage and a release in progress of fission products. Continuing to use borated seawater. Containment is intact. Release path could be through standby gas treatment system Unit 2- no core damage, unit is intact Unit 3 – core damage – using borated seawater similar to Unit 1

Daiini Unit 1 – no core damage, normal makeup, venting Units 2-4, shutdown, no damage

First NRC person, Tony Ulses has arrived in Japan and Jim Trapp should be arriving soon

#### Messaging

Want to ensure we are coordinating effectively, lots of misinformation out there.

Waiting for White House to issue a press release – will describe we are assisting and US is not at risk NRC is preparing a supplemental press release in case it's needed

DOE reports that USS Ronald Reagan is picking up airborne contamination and contamination on helicopters. Approximately 100 miles out to sea. We are looking to see if this consistent with plume calculations

No mention of next update

---

**From:** Ash, Darren  
**Sent:** Sunday, March 13, 2011 9:46 PM  
**To:** Monninger, John; Ash, Darren  
**Subject:** Test at 9:41

---

**From:** Pace, Patti  
**Sent:** Sunday, March 13, 2011 8:54 PM  
**To:** Angela Coggins; Batkin, Joshua; Monninger, John  
**Subject:** Confirming Chairman's Schedule for Monday

This is to confirm that the Chairman will be briefed at 7:30AM tomorrow morning either here or in the Ops center in advance of an 8:00AM briefing call with the White House.

There will not be a briefing call at 10:00PM tonight.

The call with Senator Boxer is in the process of being rescheduled for tomorrow morning, most likely for 9:30AM.

I am heading out but available if needed. I will plan to get in early tomorrow since I know the details of what is schedule is like in the morning.

Thanks,

Patti Pace  
Assistant to Chairman Gregory B. Jaczko  
U.S. Nuclear Regulatory Commission  
301-415-1820 (office)  
301-415-3504 (fax)

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 7:36 PM  
**To:** Marshall, Michael  
**Subject:** RE: QUESTION: Commission Assistant Briefings Summary

Thanks Michael.

We are having significant BlackBerry email issues (can't receive incoming emails). It is impacting a significant number of people, but not all staff. Currently, the BB email function is not working for the Chairman, Josh, Angela, or I. It is working for Patti. Need to be careful if anything significant comes up and you need to communicate. Probably have to use the BB telephone function and not email until we are sure the email function is back up.

Thanks.

---

**From:** Marshall, Michael  
**Sent:** Sunday, March 13, 2011 6:11 PM  
**To:** Monninger, John  
**Subject:** Re: QUESTION: Commission Assistant Briefings Summary

John,

Understood. Yes. I have the 11:30.

I will be home the rest of the day.

Michael

---

**From:** Monninger, John  
**To:** Marshall, Michael; Batkin, Joshua; Coggins, Angela  
**Cc:** Hipschman, Thomas  
**Sent:** Sun Mar 13 17:16:19 2011  
**Subject:** Re: QUESTION: Commission Assistant Briefings Summary

Yes, he is receiving regular briefings and the Ops Ctr calls him between the briefings if any important items come up. So he doesn't need the summary.

The summary was more for his staff (us) to be kept informed. I recommend sending a summary only if significant new information comes along.

So you have the 1130 call tonight. Correct?

John Monninger

(b)(6)

---

**From:** Marshall, Michael  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John  
**Cc:** Hipschman, Thomas  
**Sent:** Sun Mar 13 15:59:17 2011  
**Subject:** QUESTION: Commission Assistant Briefings Summary

Hello John, Angela, and Josh,

Just got off of the 3:30 pm Commission Assistants briefing on latest in Japan and related activities. The next one is 11:30 pm.

Normally, Tom circulates a short summary after the call. Assuming the Chairman is receiving regular briefings on this subject, I did not plan to prepare a summary. Is my assumption correct that the Chairman is continuing to receive regular briefings?

Michael



---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 7:15 PM  
**To:** Monninger, John  
**Subject:** Test 6

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 6:52 PM  
**To:** Monninger, John  
**Subject:** Test 5

---

**From:** Marshall, Michael  
**Sent:** Sunday, March 13, 2011 6:11 PM  
**To:** Monninger, John  
**Subject:** Re: QUESTION: Commission Assistant Briefings Summary

John,

Understood. Yes. I have the 11:30.

(b)(5)

Michael

---

**From:** Monninger, John  
**To:** Marshall, Michael; Batkin, Joshua; Coggins, Angela  
**Cc:** Hipschman, Thomas  
**Sent:** Sun Mar 13 17:16:19 2011  
**Subject:** Re: QUESTION: Commission Assistant Briefings Summary

Yes, he is receiving regular briefings and the Ops Ctr calls him between the briefings if any important items come up. So he doesn't need the summary.

The summary was more for his staff (us) to be kept informed. I recommend sending a summary only if significant new information comes along.

So you have the 1130 call tonight. Correct?

John Monninger  
(b)(6)

---

**From:** Marshall, Michael  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John  
**Cc:** Hipschman, Thomas  
**Sent:** Sun Mar 13 15:59:17 2011  
**Subject:** QUESTION: Commission Assistant Briefings Summary

Hello John, Angela, and Josh,

Just got off of the 3:30 pm Commission Assistants briefing on latest in Japan and related activities. The next one is 11:30 pm.

Normally, Tom circulates a short summary after the call. Assuming the Chairman is receiving regular briefings on this subject, I did not plan to prepare a summary. Is my assumption correct that the Chairman is continuing to receive regular briefings?

Michael

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 6:08 PM  
**To:** Monninger, John  
**Subject:** Test 2

John Monninger

(b)(6)

---

**From:** Coggins, Angela  
**Sent:** Sunday, March 13, 2011 4:39 PM  
**To:** Batkin, Joshua; Monninger, John  
**Subject:** RE: How

(b)(5)

Angela B. Coggins  
Policy Director  
Office of Chairman Gregory B. Jaczko  
U.S. Nuclear Regulatory Commission  
[301-415-1828/angela.coggins@nrc.gov](mailto:301-415-1828/angela.coggins@nrc.gov)

-----Original Message-----

From: Batkin, Joshua  
Sent: Sunday, March 13, 2011 4:38 PM  
To: Monninger, John; Coggins, Angela  
Subject: How

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 4:13 PM  
**To:** Monninger, John  
**Subject:** Re: Talking Points for 4pm Commission Meeting (OUO)

Yes

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sun Mar 13 16:04:30 2011  
**Subject:** Re: Talking Points for 4pm Commission Meeting (OUO)

You are on correct?  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Pace, Patti; Coggins, Angela  
**Cc:** Monninger, John  
**Sent:** Sun Mar 13 15:52:11 2011  
**Subject:** Fw: Talking Points for 4pm Commission Meeting (OUO)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** ET07 Hoc  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Monninger, John  
**Sent:** Sun Mar 13 15:51:20 2011  
**Subject:** Talking Points for 4pm Commission Meeting (OUO)

~~—OFFICIAL USE ONLY—FEDERAL AND FOREIGN GOVERNMENT—~~  
~~—CONTROLLED INFORMATION—~~

Talking Points for Chairman's 3/13/11, 4pm EST meeting of the Commission

- Press Releases with message for US citizens: No harmful levels of radiation expected to reach US. Japanese protective action recommendations consistent with US. Follow Japanese Government directions.
- Disaster Response Team arrived Sunday
  - 1 NRC Team member delayed and will not be able to make it to Tokyo until Monday due to plane malfunction
  - 1 NRC Team member in Tokyo working with Ambassador Roos getting direct information from Japanese regular including engineers.
- DOE Naval Reactors:
  - US Navy personnel delivering equipment to Japanese ships 50 nautical miles offshore returned with contamination on shoes.
  - USS Regan took portable air samples at different times at 100 nautical miles:
    - $7.5 \times 10^{-9}$  uCi/ml (13:00),  $3 \times 10^{-9}$  uCi/ml (14:30), and  $7.5 \times 10^{-9}$  uCi/ml (17:00).
    - 130 nautical miles, beta/gamma shine was measured at 0.6 mrem/hr.
  - NRC PMT modeling indicates that US Naval readings are expected results of venting from Fukushima Daiichi and possibly other Units
- NRC continues outreach to Congress and States and continues to participate in high-level interagency calls.
- RST and PMT continue to develop more extensive lists of Q&As on the safety of reactors in operation in the US

## REACTOR STATUS

- Fukushima Daiichi Units 1 – 6 (no A/C power, limited DC power)
  - Unit 1 core damage, water level below top of active fuel (TAF), Cs reported, primary containment intact, using borated sea water. Venting containment to control pressure
  - Unit 2 water level 375cm above TAF, RCIC running, containment intact, venting
  - Unit 3 is of most concern at this time, core damage uncertain, containment intact, water level 150 to 200 cm below TAF, using borated sea water, venting, working to verify effectiveness of seawater injection.
  - Units 4 - 6 Stable
- Other Japanese Nuclear Sites:
  - Fukushima Daini Units 1-4, stable offsite power available, preparing to vent, evacuation to 10km
  - Onagawa Units 1 -3, shutdown, stable, Turbine building basement fire extinguished
  - Kashiwazaki Kariwa Nuclear Power Station (Advance Reactors): Units 1, 5, 6, 7: normal operation; Units 2 to 4: regular outage

~~—OFFICIAL USE ONLY—FEDERAL AND FOREIGN GOVERNMENT CONTROLLED INFORMATION—~~

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 1:50 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** Re: Bed is Set Up

Awesome. Thanks. Now I have to sleep on the floor!

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua; Coggins, Angela  
**Sent:** Sun Mar 13 13:48:59 2011  
**Subject:** Bed is Set Up

We traded Josh's sleeper sofa with the Chairman's small sofa.

Sleeper sofa is set up and made in the Chairman's office. Clean sheets and blankets are from the health center.



---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 1:07 PM  
**To:** Hipschman, Thomas  
**Subject:** RE: March 13 0730 Update

A okay. The phone communications always makes it difficult.

---

**From:** Hipschman, Thomas  
**Sent:** Sunday, March 13, 2011 9:15 AM  
**To:** Monninger, John  
**Subject:** RE: March 13 0730 Update

(b)(5)

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 8:53 AM  
**To:** Hipschman, Thomas  
**Subject:** Re: March 13 0730 Update

Many thanks for the summary and staffing the 2 calls. Hope you enjoy the class this week.

(b)(5)

John Monninger  
(b)(6)

---

**From:** Hipschman, Thomas  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna; Pearson, Laura  
**Sent:** Sun Mar 13 07:45:06 2011  
**Subject:** March 13 0730 Update

Daiichi Unit 1 – there is core damage and a release in progress of fission products. Continuing to use borated seawater. Containment is intact. Release path could be through standby gas treatment system  
Unit 2- no core damage, unit is intact  
Unit 3 – core damage – using borated seawater similar to Unit 1

Daiini Unit 1 – no core damage, normal makeup, venting  
Units 2-4, shutdown, no damage

First NRC person, Tony Ulses has arrived in Japan and Jim Trapp should be arriving soon

#### Messaging

Want to ensure we are coordinating effectively, lots of misinformation out there.  
Waiting for White House to issue a press release – will describe we are assisting and US is not at risk  
NRC is preparing a supplemental press release in case it's needed

DOE reports that USS Ronald Reagan is picking up airborne contamination and contamination on helicopters. Approximately 100 miles out to sea. We are looking to see if this consistent with plume calculations

No mention of next update

---

**From:** Burns, Stephen  
**Sent:** Sunday, March 13, 2011 12:16 PM  
**To:** Batkin, Joshua; Vietti-Cook, Annette  
**Cc:** Coggins, Angela; Monninger, John; Rothschild, Trip  
**Subject:** Re: NSAD with the Commission

(b)(6)

Steve

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Vietti-Cook, Annette  
**Cc:** Coggins, Angela; Monninger, John; Burns, Stephen  
**Sent:** Sun Mar 13 10:07:34 2011  
**Subject:** NSAD with the Commission

Annette, can we please do the same drill again today at 4 or 5pm? Please confirm receipt.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 11:34 AM  
**To:** Coggins, Angela; Monninger, John  
**Subject:** Re: I'm here

He's waiting for car. On bridge now.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Coggins, Angela  
To: Batkin, Joshua; Monninger, John  
Sent: Sun Mar 13 11:31:43 2011  
Subject: I'm here

Dropped stuff in the office and heading to ops ctr. Boss not here yet.  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 10:48 AM  
**To:** Monninger, John  
**Subject:** Re: At least to start

Do we know if its just brennan and when

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Pace, Patti; Batkin, Joshua; Coggins, Angela  
Sent: Sun Mar 13 10:35:06 2011  
Subject: Re: At least to start

Perfect. He is going to take a call through the Ops Ctr any time now.  
John Monninger

(b)(6)

----- Original Message -----

From: Pace, Patti  
To: Monninger, John; Batkin, Joshua; Coggins, Angela  
Sent: Sun Mar 13 10:33:30 2011  
Subject: RE: At least to start

I'm at the office. No sign of GBJ up here.

Patti Pace  
Assistant to Chairman Gregory B. Jaczko  
U.S. Nuclear Regulatory Commission  
301-415-1820 (office)  
301-415-3504 (fax)

-----Original Message-----

From: Monninger, John  
Sent: Sunday, March 13, 2011 10:32 AM  
To: Batkin, Joshua; Coggins, Angela; Pace, Patti  
Subject: Re: At least to start

Got it.  
John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John; Coggins, Angela; Pace, Patti  
Sent: Sun Mar 13 10:23:48 2011  
Subject: At least to start

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 10:34 AM  
**To:** Monninger, John  
**Subject:** Re: And

Callin in now

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Sun Mar 13 10:33:31 2011  
Subject: Re: And

Any minute. The thought is that it will be between 1030 and 1045.  
John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Sent: Sun Mar 13 10:29:22 2011  
Subject: Re: And

When?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Sun Mar 13 10:27:49 2011  
Subject: Re: And

Yes it is on the bridge.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Sent: Sun Mar 13 10:13:37 2011  
Subject: And

Give me a heads up if its going on the bridge and I'll call in too

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 10:31 AM  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Subject:** Re: NSAD with the Commission

Got it. ET informed.

Assignment given to update/prepare talking points for Chairman to use in briefing Commissioners.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Cc: Coggins, Angela  
Sent: Sun Mar 13 10:16:14 2011  
Subject: Fw: NSAD with the Commission

John, please formally pass to the ET with a request to prepare TPs in advance and provide ET director to participate.  
Copy?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Batkin, Joshua  
To: Vietti-Cook, Annette  
Cc: Coggins, Angela; Monninger, John; Burns, Stephen  
Sent: Sun Mar 13 10:07:34 2011  
Subject: NSAD with the Commission

Annette, can we please do the same drill again today at 4 or 5pm? Please confirm receipt.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 10:27 AM  
**To:** Batkin, Joshua  
**Subject:** Re: Listen in on brennan if you can

Will do.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sun Mar 13 10:13:03 2011  
**Subject:** Listen in on brennan if you can

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 10:06 AM  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Subject:** Re: He's coming into the office

Fine

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Cc: Coggins, Angela  
Sent: Sun Mar 13 10:00:37 2011  
Subject: RE: He's coming into the office

I had previously given her a heads up. I called again and she is on the way in.

(b)(5)

-----Original Message-----

From: Batkin, Joshua  
Sent: Sunday, March 13, 2011 9:56 AM  
To: Monninger, John  
Cc: Coggins, Angela  
Subject: He's coming into the office

John - please get patti in asap. Angela, what time could you get in?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 10:02 AM  
**To:** Hipschman, Thomas; Bradford, Anna; Pearson, Laura; Batkin, Joshua; Coggins, Angela; Marshall, Michael; Loyd, Susan  
**Subject:** RE: March 13 0730 Update

The map is bogus. It is not an NRC product. We have engaged the PMT and Ops Center and it is not from the NRC. It does not look like NRC products from the Ops Center.

The thought is that someone (hacker type) pulled it together and posted NRC's logo/name on it.

-----Original Message-----

**From:** Hipschman, Thomas  
**Sent:** Sunday, March 13, 2011 9:49 AM  
**To:** Bradford, Anna; Pearson, Laura; Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan  
**Subject:** RE: March 13 0730 Update

I think it is significantly higher than the effects of Chernobyl for example. I did a quick search, and it looks like the maximum dose from Cs was 0.5-14 Rem

-----Original Message-----

**From:** Bradford, Anna  
**Sent:** Sunday, March 13, 2011 9:34 AM  
**To:** Hipschman, Thomas; Pearson, Laura; Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan  
**Subject:** RE: March 13 0730 Update

Tom, do you think that map is accurate/credible? I find those doses hard to believe but maybe I don't know what I'm talking about.

Anna Bradford  
Policy Advisor for Nuclear Materials  
Office of Chairman Jaczko  
U.S. Nuclear Regulatory Commission  
301-415-1827

---

**From:** Hipschman, Thomas  
**Sent:** Sunday, March 13, 2011 9:10 AM  
**To:** Pearson, Laura; Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna  
**Subject:** RE: March 13 0730 Update

(b)(5)

-----Original Message-----

**From:** Pearson, Laura  
**Sent:** Sunday, March 13, 2011 8:48 AM

To: Hipschman, Thomas; Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna  
Subject: RE: March 13 0730 Update

This rather alarming "radioactive fallout map," which says it is a USNRC product, is linked on the Drudge Report: <http://www.japan.org/wp-content/uploads/2011/03/falloutmap2.jpg>. Is this authentic? If so, some of the messaging may address what it means for people on the West Coast. This kind of context-free raw data might cause public concern.

---

From: Hipschman, Thomas  
Sent: Sunday, March 13, 2011 7:45 AM  
To: Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna; Pearson, Laura  
Subject: March 13 0730 Update

Daiichi Unit 1 – there is core damage and a release in progress of fission products. Continuing to use borated seawater. Containment is intact. Release path could be through standby gas treatment system Unit 2- no core damage, unit is intact Unit 3 – core damage – using borated seawater similar to Unit 1

Daiini Unit 1 – no core damage, normal makeup, venting Units 2-4, shutdown, no damage

First NRC person, Tony Ulises has arrived in Japan and Jim Trapp should be arriving soon

#### Messaging

Want to ensure we are coordinating effectively, lots of misinformation out there.

Waiting for White House to issue a press release – will describe we are assisting and US is not at risk NRC is preparing a supplemental press release in case it's needed

DOE reports that USS Ronald Reagan is picking up airborne contamination and contamination on helicopters. Approximately 100 miles out to sea. We are looking to see if this consistent with plume calculations

No mention of next update

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 9:21 AM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** 11am

John, let us know if its secure. I'd like one of us there but ifs its ts/sci, Angela or I would need to do it.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Coggins, Angela  
**Sent:** Sunday, March 13, 2011 9:12 AM  
**To:** Monninger, John  
**Subject:** Status update

(b)(6)

. Let me know when I can call or what is happening next. Tx!

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

---

**From:** Warren, Roberta  
**Sent:** Sunday, March 13, 2011 9:05 AM  
**To:** Monninger, John; Batkin, Joshua; Coggins, Angela  
**Subject:** Re: Anything I can do today to help?

Thanks, ready and moderately able!

Sent from an NRC Blackberry

(b)(6)

Roberta S Warren

----- Original Message -----

**From:** Monninger, John  
**To:** Warren, Roberta; Batkin, Joshua; Coggins, Angela  
**Sent:** Sun Mar 13 08:30:08 2011  
**Subject:** Re: Anything I can do today to help?

Not at this time. Take 24 more hours to rest and then the fun begins when you return.

John Monninger

(b)(6)

----- Original Message -----

**From:** Warren, Roberta  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela  
**Sent:** Sun Mar 13 08:11:38 2011  
**Subject:** Anything I can do today to help?

If you need me to come in to help today please let me know.

Bobbi

Sent from an NRC Blackberry

(b)(6)

Roberta S Warren



---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 8:46 AM  
**To:** Monninger, John  
**Subject:** Re: March 13 0730 Update

Still on for a 9am with the boss?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sun Mar 13 08:41:27 2011  
**Subject:** Re: March 13 0730 Update

Yes, it sounded like Tom's voice asking for the restart of the briefing.

(b)(5)

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sun Mar 13 08:06:59 2011  
**Subject:** Fw: March 13 0730 Update

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Hipschman, Thomas  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna; Pearson, Laura  
**Sent:** Sun Mar 13 07:45:06 2011  
**Subject:** March 13 0730 Update

Daiichi Unit 1 – there is core damage and a release in progress of fission products. Continuing to use borated seawater. Containment is intact. Release path could be through standby gas treatment system

Unit 2- no core damage, unit is intact

Unit 3 – core damage – using borated seawater similar to Unit 1

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NRC is preparing a supplemental press release in case it's needed

DOE reports that USS Ronald Reagan is picking up airborne contamination and contamination on helicopters. Approximately 100 miles out to sea. We are looking to see if this consistent with plume calculations

No mention of next update

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 8:45 AM  
**To:** Monninger, John  
**Subject:** Re: March 13 0730 Update

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sun Mar 13 08:41:27 2011  
**Subject:** Re: March 13 0730 Update

(b)(5)

(b)(5)

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sun Mar 13 08:06:59 2011  
**Subject:** Fw: March 13 0730 Update

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Hipschman, Thomas  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Loyd, Susan; Bradford, Anna; Pearson, Laura  
**Sent:** Sun Mar 13 07:45:06 2011  
**Subject:** March 13 0730 Update

Daiichi Unit 1 – there is core damage and a release in progress of fission products. Continuing to use borated seawater. Containment is intact. Release path could be through standby gas treatment system  
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#### Messaging

Want to ensure we are coordinating effectively, lots of misinformation out there.

Waiting for White House to issue a press release – will describe we are assisting and US is not at risk

NRC is preparing a supplemental press release in case it's needed

DOE reports that USS Ronald Reagan is picking up airborne contamination and contamination on helicopters. Approximately 100 miles out to sea. We are looking to see if this consistent with plume calculations

No mention of next update

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 7:51 AM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** Re: Ops Ctr I'm There

Correct. No TAs.  
John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sun Mar 13 07:42:51 2011  
**Subject:** Re: Ops Ctr I'm There

I'm going to jump off til 9. Call me if there's any news. No TAs there this morning, right john?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Coggins, Angela; Batkin, Joshua  
**Sent:** Sun Mar 13 07:28:43 2011  
**Subject:** Re: Ops Ctr I'm There

I wasn't in the loop for any.

OPs Ctr engaged him essentially all night until 400 am. We need to think about that.

John Monninger

(b)(6)

----- Original Message -----

**From:** Coggins, Angela  
**To:** Batkin, Joshua; Monninger, John  
**Sent:** Sun Mar 13 07:18:18 2011  
**Subject:** Re: Ops Ctr I'm There

Right (b)(5) Do you know if he was he contacted a lot last night?

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Batkin, Joshua  
To: Coggins, Angela; Monninger, John  
Sent: Sun Mar 13 07:15:33 2011  
Subject: Re: Ops Ctr I'm There

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Coggins, Angela  
To: Monninger, John; Batkin, Joshua  
Sent: Sun Mar 13 07:14:09 2011  
Subject: Re: Ops Ctr I'm There

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Sun Mar 13 07:12:10 2011  
Subject: Re: Ops Ctr I'm There

(b)(5)

(b)(5)

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John; Coggins, Angela  
Sent: Sun Mar 13 07:10:03 2011  
Subject: Re: Ops Ctr I'm There

Ah. He's not on now?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Coggins, Angela; Batkin, Joshua  
Sent: Sun Mar 13 07:09:25 2011  
Subject: Re: Ops Ctr I'm There

No. The Chairman changed it to 900

John Monninger

(b)(6)

----- Original Message -----

From: Coggins, Angela  
To: Monninger, John  
Sent: Sun Mar 13 06:56:13 2011  
Subject: Re: Ops Ctr I'm There

Status Call with chairman still on for 7?  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Sun Mar 13 06:55:11 2011  
Subject: Ops Ctr I'm There

John Monninger

(b)(6)

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 7:18 AM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** Re: Ops Ctr I'm There

OIP is calling the defense attache  
John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sun Mar 13 07:14:54 2011  
**Subject:** Re: Ops Ctr I'm There

(b)(6)

(b)(5)

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua; Coggins, Angela  
**Sent:** Sun Mar 13 07:12:10 2011  
**Subject:** Re: Ops Ctr I'm There

(b)(5)

(b)(5)

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sun Mar 13 07:10:03 2011  
**Subject:** Re: Ops Ctr I'm There

Ah. He's not on now?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



----- Original Message -----

From: Monninger, John  
To: Coggins, Angela; Batkin, Joshua  
Sent: Sun Mar 13 07:09:25 2011  
Subject: Re: Ops Ctr I'm There

No. The Chairman changed it to 900

John Monninger

(b)(6)

----- Original Message -----

From: Coggins, Angela  
To: Monninger, John  
Sent: Sun Mar 13 06:56:13 2011  
Subject: Re: Ops Ctr I'm There

Status Call with chairman still on for 7?  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Sun Mar 13 06:55:11 2011  
Subject: Ops Ctr I'm There

John Monninger

(b)(6)

---

**From:** Monninger, John  
**Sent:** Sunday, March 13, 2011 7:04 AM  
**To:** Batkin, Joshua  
**Subject:** Re: Ops Ctr I'm There

Admiral from the Ronald Reagan aircraft carrier.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sun Mar 13 06:58:43 2011  
**Subject:** Re: Ops Ctr I'm There

Ok. I'm listening. Who's talking?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua; Coggins, Angela  
**Sent:** Sun Mar 13 06:55:11 2011  
**Subject:** Ops Ctr I'm There

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Sunday, March 13, 2011 7:02 AM  
**To:** Coggins, Angela; Monninger, John  
**Subject:** Re: Ops Ctr I'm There

That was ponemon who signed off. Adm donald is still on.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Coggins, Angela  
To: Batkin, Joshua; Monninger, John  
Sent: Sun Mar 13 07:00:58 2011  
Subject: Re: Ops Ctr I'm There

An admiral I think  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John; Coggins, Angela  
Sent: Sun Mar 13 06:58:43 2011  
Subject: Re: Ops Ctr I'm There

Ok. I'm listening. Who's talking?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Coggins, Angela  
Sent: Sun Mar 13 06:55:11 2011  
Subject: Ops Ctr I'm There

John Monninger

(b)(6)

---

**From:** Hipschman, Thomas  
**Sent:** Saturday, March 12, 2011 9:13 PM  
**To:** Monninger, John; Batkin, Joshua; Marshall, Michael  
**Subject:** RE: ACTION: Commissioner's Assistant Briefing Notification

ok

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 9:11 PM  
**To:** Hipschman, Thomas; Batkin, Joshua; Marshall, Michael  
**Subject:** Re: ACTION: Commissioner's Assistant Briefing Notification

Ok. Tom you have the call tonight.

Have a good trip.  
John Monninger

(b)(6)

---

**From:** Hipschman, Thomas  
**To:** Monninger, John; Batkin, Joshua; Marshall, Michael  
**Sent:** Sat Mar 12 20:51:20 2011  
**Subject:** RE: ACTION: Commissioner's Assistant Briefing Notification

I can do it too. I'm leaving for Austin tomorrow afternoon for RTR training at UT. So, I think it will be a little harder for me to respond after that.  
Just let me know what you need.

Maybe we should develop a rotation?

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 8:48 PM  
**To:** Batkin, Joshua; Marshall, Michael; Hipschman, Thomas  
**Subject:** Re: ACTION: Commissioner's Assistant Briefing Notification

I'm available for the 1130 call and will defer to Michael or Tom to see if they want to take it.

I'm planning on going in for the 700 am turnover tomorrow and we can determine any staffing needs for the day.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Marshall, Michael; Hipschman, Thomas  
**Cc:** Monninger, John  
**Sent:** Sat Mar 12 20:43:24 2011  
**Subject:** Fw: ACTION: Commissioner's Assistant Briefing Notification

(b)(6)

(b)(5)

(b)(5)

Joshua C. Batkin

Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** ANS.HOC@nrc.gov <ANS.HOC@nrc.gov>  
**Sent:** Sat Mar 12 20:41:06 2011  
**Subject:** ACTION: Commissioner's Assistant Briefing Notification

There will be a Commissioner's Assistant Briefing given by Headquarters at 2330 EST concerning the Japan Nuclear Plants. Call (b)(6) approximately 5 minutes before the scheduled start time. When prompted, enter security code (b)(6). You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

---

**From:** Hipschman, Thomas  
**Sent:** Saturday, March 12, 2011 8:57 PM  
**To:** Batkin, Joshua; Monninger, John; Marshall, Michael  
**Subject:** RE: ACTION: Commissioner's Assistant Briefing Notification

I'll say hi to Dr Klein from you.

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 8:55 PM  
**To:** Hipschman, Thomas; Monninger, John; Marshall, Michael  
**Subject:** RE: ACTION: Commissioner's Assistant Briefing Notification

Thank tom

---

**From:** Hipschman, Thomas  
**Sent:** Saturday, March 12, 2011 8:51 PM  
**To:** Monninger, John; Batkin, Joshua; Marshall, Michael  
**Subject:** RE: ACTION: Commissioner's Assistant Briefing Notification

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**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 8:48 PM  
**To:** Batkin, Joshua; Marshall, Michael; Hipschman, Thomas  
**Subject:** Re: ACTION: Commissioner's Assistant Briefing Notification

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I'm planning on going in for the 700 am turnover tomorrow and we can determine any staffing needs for the day.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Marshall, Michael; Hipschman, Thomas  
**Cc:** Monninger, John  
**Sent:** Sat Mar 12 20:43:24 2011  
**Subject:** Fw: ACTION: Commissioner's Assistant Briefing Notification

(b)(6)

(b)(5)

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** ANS.HOC@nrc.gov <ANS.HOC@nrc.gov>

**Sent:** Sat Mar 12 20:41:06 2011

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---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 8:55 PM  
**To:** Hipschman, Thomas; Monninger, John; Marshall, Michael  
**Subject:** RE: ACTION: Commissioner's Assistant Briefing Notification

I think our operational tempo will start to slow tomorrow if things hold.

---

**From:** Hipschman, Thomas  
**Sent:** Saturday, March 12, 2011 8:51 PM  
**To:** Monninger, John; Batkin, Joshua; Marshall, Michael  
**Subject:** RE: ACTION: Commissioner's Assistant Briefing Notification

I can do it too. I'm leaving for Austin tomorrow afternoon for RTR training at UT. So, I think it will be a little harder for me to respond after that.  
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**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 8:48 PM  
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**Subject:** Re: ACTION: Commissioner's Assistant Briefing Notification

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John Monninger

(b)(6)

---

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**To:** Marshall, Michael; Hipschman, Thomas  
**Cc:** Monninger, John  
**Sent:** Sat Mar 12 20:43:24 2011  
**Subject:** Fw: ACTION: Commissioner's Assistant Briefing Notification

(b)(6)

(b)(5)

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

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enter security code (b)(6). You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

---

**From:** Loyd, Susan  
**Sent:** Saturday, March 12, 2011 4:36 PM  
**To:** (b)(6); Coggins, Angela  
**Cc:** Batkin, Joshua; Monninger, John  
**Subject:** Re: Fwd: Public Blog - Automatically Generated Links

Holly thinks she has fixed it now.

Sent from an NRC Blackberry  
Susan Loyd  
(b)(6)

---

**From:** Loyd, Susan  
**To:** (b)(6); Coggins, Angela  
**Cc:** Batkin, Joshua; Monninger, John  
**Sent:** Sat Mar 12 16:09:25 2011  
**Subject:** Re: Fwd: Public Blog - Automatically Generated Links

I'll see what I can do. Eliot has been a bit busy with Japan....

Sent from an NRC Blackberry  
Susan Loyd  
(b)(6)

---

**From:** Patti Pace (b)(6)  
**To:** Coggins, Angela  
**Cc:** Batkin, Joshua; Monninger, John; Loyd, Susan  
**Sent:** Sat Mar 12 15:45:40 2011  
**Subject:** Re: Fwd: Public Blog - Automatically Generated Links

(b)(5)

On Sat, Mar 12, 2011 at 3:44 PM, Patti Pace (b)(6) wrote:  
I was procrastinating while trying to work on my midterm and logged on to the NRC public website from my home computer, prompted by a quote from the Chairman on the blog that showed up in my Google reader. If you click on the link to the post, you can see it. As far as I can tell, it is still up.

<http://public-blog.nrc-gateway.gov/2011/03/12/nrc-in-communication-with-japanese-regulators/>

On Sat, Mar 12, 2011 at 3:41 PM, Coggins, Angela <Angela.Coggins@nrc.gov> wrote:

(b)(5)  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov](mailto:angela.coggins@nrc.gov)/301-415-1828

---

**From:** Patti Pace (b)(6)  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John; Loyd, Susan  
**Sent:** Sat Mar 12 15:40:52 2011  
**Subject:** Fwd: Public Blog - Automatically Generated Links

Hi -

(b)(5)

Thanks,  
Patti

----- Forwarded message -----

**From:** Patti Pace (b)(6) >  
**Date:** Sat, Mar 12, 2011 at 3:30 PM  
**Subject:** Public Blog - Automatically Generated Links  
**To:** [eliot.brenner@nrc.gov](mailto:eliot.brenner@nrc.gov)

Hi Eliot,

(b)(5)

<http://public-blog.nrc-gateway.gov/2011/03/12/nrc-in-communication-with-japanese-regulators/>

Thanks!

Patti

---

**From:** Loyd, Susan  
**Sent:** Saturday, March 12, 2011 4:00 PM  
**To:** (b)(6); Batkin, Joshua; Coggins, Angela; Monninger, John  
**Subject:** Re: Fwd: Public Blog - Automatically Generated Links

Good catch Patti!  
S

Sent from an NRC Blackberry  
Susan Loyd

(b)(6)

---

**From:** Patti Pace (b)(6)  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John; Loyd, Susan  
**Sent:** Sat Mar 12 15:40:52 2011  
**Subject:** Fwd: Public Blog - Automatically Generated Links

Hi -

(b)(5)

Thanks,  
Patti

----- Forwarded message -----

**From:** Patti Pace (b)(6)  
**Date:** Sat, Mar 12, 2011 at 3:30 PM  
**Subject:** Public Blog - Automatically Generated Links  
**To:** [eliot.brenner@nrc.gov](mailto:eliot.brenner@nrc.gov)

Hi Eliot,

(b)(5)

<http://public-blog.nrc-gateway.gov/2011/03/12/nrc-in-communication-with-japanese-regulators/>

Thanks!

Patti

---

**From:** Coggins, Angela  
**Sent:** Saturday, March 12, 2011 3:42 PM  
**To:** (b)(6) Batkin, Joshua; Monninger, John; Loyd, Susan  
**Subject:** Re: Fwd: Public Blog - Automatically Generated Links

(b)(5)

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov](mailto:angela.coggins@nrc.gov)/301-415-1828

---

**From:** Patti Pace <(b)(6)>  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John; Loyd, Susan  
**Sent:** Sat Mar 12 15:40:52 2011  
**Subject:** Fwd: Public Blog - Automatically Generated Links

Hi -

(b)(5)

Thanks,  
Patti

----- Forwarded message -----

**From:** Patti Pace <(b)(6)>  
**Date:** Sat, Mar 12, 2011 at 3:30 PM  
**Subject:** Public Blog - Automatically Generated Links  
**To:** [eliot.brenner@nrc.gov](mailto:eliot.brenner@nrc.gov)

Hi Eliot,

(b)(5)

<http://public-blog.nrc-gateway.gov/2011/03/12/nrc-in-communication-with-japanese-regulators/>

Thanks!

Patti

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 3:31 PM  
**To:** Coggins, Angela  
**Cc:** Monninger, John  
**Subject:** Shift staffing...

Angela, I don't think you'll need to come in tonight. I'll confirm by 4 after the call.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



---

**From:** Hipschman, Thomas  
**Sent:** Saturday, March 12, 2011 3:03 PM  
**To:** Batkin, Joshua; Monninger, John; Marshall, Michael; Pearson, Laura  
**Subject:** FW: ACTION: Commissioner's Assistant Briefing Notification

I can be on, unless somebody wants it.

---

**From:** ANS.HOC@nrc.gov [mailto:ANS.HOC@nrc.gov]  
**Sent:** Saturday, March 12, 2011 3:00 PM  
**Subject:** ACTION: Commissioner's Assistant Briefing Notification

There will be a Commissioner's Assistant Briefing given by Headquarters at 1530 EST concerning the Japan Nuclear Plants. Call (b)(6) approximately 5 minutes before the scheduled start time. When prompted, enter security code (b)(6). You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 2:50 PM  
**To:** Coggins, Angela; Monninger, John  
**Subject:** Fw: Taling points for 3pm call  
**Attachments:** Talking Points for Chairman.doc

Fyi. I'll listen in for us.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** ET07 Hoc  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua  
**Sent:** Sat Mar 12 14:48:07 2011  
**Subject:** Taling points for 3pm call

Talking Points for Chairman's 3/12/11 3pm EST meeting of the Commission

- Fukushima Daiichi Unit 1
  - Hydrogen explosion inside secondary containment while venting primary containment to the secondary
  - Suspected fuel damage but vessel is intact
  - Using sea water (possibly borated) to fill the building basement
  - Venting air from containment into surrounding reactor building
  - Evacuations out to 20 km around plant, dispensing KI
- Units 3 through 6 were in cold shutdown for an outage
- Status of Units 2 is unknown all information is focused on Unit 1
- Disaster Response Team in route
  - 1 NRC Team member on military transport
  - 1 NRC Team member taking commercial flight leaving about 4:30pm EST
- FEMA has shutdown their response to the Tsunami
- NRC is attempting to establish a single point of contact for USG with IAEA
- DHS leading a consequence modeling effort using NARAC tool. Standing up IMACC.
- DOE has pre-staged air monitoring assets in Las Vegas. May move to Hawaii
- NRC performing outreach to Congress and State Governors
- Participating in high-level interagency calls on response

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 2:36 PM  
**To:** Monninger, John  
**Subject:** Re: TA call at 330

Thanks again john. Bill not happy with me but departed.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Coggins, Angela  
Cc: Batkin, Joshua  
Sent: Sat Mar 12 14:28:15 2011  
Subject: Re: TA call at 330

I already took off. Give him a call.  
John Monninger

(b)(6)

----- Original Message -----

From: Coggins, Angela  
To: Monninger, John  
Sent: Sat Mar 12 14:21:18 2011  
Subject: Re: TA call at 330

Thanks, John. I will call in. Have Josh reach out by email when he has a chance and let me know about what time he might be expecting me.

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Coggins, Angela  
Cc: Batkin, Joshua  
Sent: Sat Mar 12 14:16:32 2011  
Subject: TA call at 330

Angela

The TA call is at 330. Call (b)(6) and enter the passcode of (b)(6) #. You need to enter the # sign at the end.

Josh is here now. I'm going to head out in the next 1/2 hour and will be available all night.

I'm planning on coming in tomorrow morning prior to the morning turnover at 700.

John Monninger

(b)(6)

---

**From:** Coggins, Angela  
**Sent:** Saturday, March 12, 2011 2:29 PM  
**To:** Monninger, John  
**Subject:** Re: TA call at 330

Will do. Tx!!  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Coggins, Angela  
Cc: Batkin, Joshua  
Sent: Sat Mar 12 14:28:15 2011  
Subject: Re: TA call at 330

I already took off. Give him a call.  
John Monninger

(b)(6)

----- Original Message -----

From: Coggins, Angela  
To: Monninger, John  
Sent: Sat Mar 12 14:21:18 2011  
Subject: Re: TA call at 330

Thanks, John. I will call in. Have Josh reach out by email when he has a chance and let me know about what time he might be expecting me.

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Coggins, Angela  
Cc: Batkin, Joshua  
Sent: Sat Mar 12 14:16:32 2011  
Subject: TA call at 330

Angela

The TA call is at 330. Call (b)(6) and enter the passcode of (b)(6) #. You need to enter the # sign at the end.

Josh is here now. I'm going to head out in the next 1/2 hour and will be available all night.

I'm planning on coming in tomorrow morning prior to the morning turnover at 700.

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 12:46 PM  
**To:** Monninger, John  
**Subject:** Re: Non Sunshine Act Comm Briefing

Waiting to hear back

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Sat Mar 12 12:42:35 2011  
Subject: Re: Non Sunshine Act Comm Briefing

I assume you will call him now.  
John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Cc: Coggins, Angela  
Sent: Sat Mar 12 12:25:07 2011  
Subject: Re: Non Sunshine Act Comm Briefing

Ket me know as soon as you hear his next destination so I know where to go.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Cc: Coggins, Angela  
Sent: Sat Mar 12 12:17:29 2011  
Subject: Re: Non Sunshine Act Comm Briefing

Ok, you pitch it to the Chairman. Believe the Deputies mtg is still ongoing. Haven't heard for sure.  
John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Cc: Coggins, Angela  
Sent: Sat Mar 12 11:05:37 2011  
Subject: Re: Non Sunshine Act Comm Briefing

Ok. If he wants to do it we would ask annette to set it up and include her and steve. Reid may also want to talk to him this afternoon.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Cc: Coggins, Angela  
Sent: Sat Mar 12 11:02:38 2011  
Subject: Non Sunshine Act Comm Briefing

(b)(5)

John Monninger

(b)(6)



---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 12:33 PM  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Subject:** Re: Non Sunshine Act Comm Briefing

We are trying to get the Chairman on the bridge.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 12:25:07 2011  
**Subject:** Re: Non Sunshine Act Comm Briefing

Ket me know as soon as you hear his next destination so I know where to go.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 12:17:29 2011  
**Subject:** Re: Non Sunshine Act Comm Briefing

Ok, you pitch it to the Chairman. Believe the Deputies mtg is still ongoing. Haven't heard for sure.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 11:05:37 2011  
**Subject:** Re: Non Sunshine Act Comm Briefing

Ok. If he wants to do it we would ask annette to set it up and include her and steve. Reid may also want to talk to him this afternoon.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko

(301) 415-1820

----- Original Message -----

From: Monninger, John

To: Batkin, Joshua

Cc: Coggins, Angela

Sent: Sat Mar 12 11:02:38 2011

Subject: Non Sunshine Act Comm Briefing

(b)(5)

John Monninger

(b)(6)

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 12:26 PM  
**To:** Batkin, Joshua  
**Subject:** Re: Non Sunshine Act Comm Briefing

I'll ask Marty and get back to you.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Cc: Coggins, Angela  
Sent: Sat Mar 12 12:25:07 2011  
Subject: Re: Non Sunshine Act Comm Briefing

Ket me know as soon as you hear his next destination so I know where to go.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Cc: Coggins, Angela  
Sent: Sat Mar 12 12:17:29 2011  
Subject: Re: Non Sunshine Act Comm Briefing

Ok, you pitch it to the Chairman. Believe the Deputies mtg is still ongoing. Haven't heard for sure.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Cc: Coggins, Angela  
Sent: Sat Mar 12 11:05:37 2011  
Subject: Re: Non Sunshine Act Comm Briefing

Ok. If he wants to do it we would ask annette to set it up and include her and steve. Reid may also want to talk to him this afternoon.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John

To: Batkin, Joshua

Cc: Coggins, Angela

Sent: Sat Mar 12 11:02:38 2011

Subject: Non Sunshine Act Comm Briefing

(b)(5)

John Monninger

(b)(6)

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 12:25 PM  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Subject:** Re: Non Sunshine Act Comm Briefing

Virgilio is back so I assume the deputies mtg is over. Marty followed deputies mtg via secure teleconference.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 11:05:37 2011  
**Subject:** Re: Non Sunshine Act Comm Briefing

Ok. If he wants to do it we would ask annette to set it up and include her and steve. Reid may also want to talk to him this afternoon.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 11:02:38 2011  
**Subject:** Non Sunshine Act Comm Briefing

(b)(5)

John Monninger

(b)(6)

---

**From:** LIA07 Hoc  
**Sent:** Saturday, March 12, 2011 12:22 PM  
**To:** (b)(6) Jaczko, Gregory; Coggins, Angela; Loyd, Susan;  
Monninger, John; Pearson, Laura; Warren, Roberta (b)(6)  
**Subject:** USNRC SitRep 1000 EST 03/12/11  
**Attachments:** Japan Sitrep2.docx

The latest SitRep from the USNRC to DHS is attached for your information. There were errors in the distribution list that was used earlier. The distribution list has now been corrected.

Please contact the Headquarters Operations Officer at 301-816-5100 with questions.

Thank you,  
Sara

Sara Mroz  
Communications and Outreach  
Office of Nuclear Security and Incident Response  
At the HOC: 301-816-5100

---

**From:** LIA01 Hoc  
**Sent:** Saturday, March 12, 2011 12:14 PM  
**To:** LIA07 Hoc  
**Subject:** Sitrep 2

Per your request.

**OFFICIAL USE ONLY**

| <b>Department of Homeland Security</b><br><b>Incident Management</b><br><b>DHS Initial Situation Report</b> |                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>From:</b>                                                                                                | US Nuclear Regulatory Commission                                                                                                                                                                                                                                                                                                                                |
| <b>To:</b>                                                                                                  | DHS National Operations Center Watch Officer                                                                                                                                                                                                                                                                                                                    |
| <b>SITREP No:</b>                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                               |
| <b>Date/Time (ET):</b>                                                                                      | 03/12/2011, 0900                                                                                                                                                                                                                                                                                                                                                |
| <b>1. Incident Type</b>                                                                                     | Earthquake and Tsunami                                                                                                                                                                                                                                                                                                                                          |
| <b>2. Location of Incident</b>                                                                              | Japan                                                                                                                                                                                                                                                                                                                                                           |
| <b>3. Date/Time of Incident (ET)</b>                                                                        | Press reports date 3/11/11 0146 (EST) loss of power at Unit 1,2, and 3 emergency. Unit 4, 5, and 6 shutdown. Unit 1, 2, and 3 emergency diesel generators (EDG) failed after tsunami, resulting in complete loss of Alternating Current for all three units. On 3/12/11, 0340 (EST), explosion on site is confirmed, but location of facility is not confirmed. |
| <b>4. Incident Site Weather Conditions</b>                                                                  | Wind direction from 233 degree speed less than 3.9 m/sec stability class E, no precipitation.                                                                                                                                                                                                                                                                   |
| <b>5. Threat/Causal Factors</b>                                                                             | Earthquakes and tsunami leading to possible loss of emergency cooling.                                                                                                                                                                                                                                                                                          |
| <b>6. Initial On-Scene Status/Capabilities Assessment</b>                                                   |                                                                                                                                                                                                                                                                                                                                                                 |
| <b>A.</b>                                                                                                   | Casualties (e.g., dead, hospitalized) None available.                                                                                                                                                                                                                                                                                                           |
| <b>B.</b>                                                                                                   | Property Damage - Nuclear reactor. Loss of emergency power/loss of emergency cooling. Apparent core damage based on reported radiation levels. Media reports of explosion may indicate possible loss of secondary containment, outer building breached (unverified).                                                                                            |
| <b>C.</b>                                                                                                   | Infrastructure Affected – Emergency diesel fuel tanks and piping.                                                                                                                                                                                                                                                                                               |
| <b>D.</b>                                                                                                   | Terrorism Nexus – None.                                                                                                                                                                                                                                                                                                                                         |
| <b>E.</b>                                                                                                   | General Population Status – Evacuated <10km, no power. No confirmation of 20km evacuation                                                                                                                                                                                                                                                                       |
| <b>F.</b>                                                                                                   | Weather Effects – Wind direction is out to sea.                                                                                                                                                                                                                                                                                                                 |
| <b>G.</b>                                                                                                   | Extent of Contamination – Release in progress. Magnitude and extent unknown.                                                                                                                                                                                                                                                                                    |
| <b>H.</b>                                                                                                   | On-Scene/En Route Capabilities – 2 NRC representatives enroute with USAID team.                                                                                                                                                                                                                                                                                 |
| <b>I.</b>                                                                                                   | Requests for Additional Support – None known.                                                                                                                                                                                                                                                                                                                   |
| <b>J.</b>                                                                                                   | Possible Cascading Effects – Release of radiation. Population evacuation at two sites within 10km radius. If containment failure, impacts on other unit recovery personnel.                                                                                                                                                                                     |
| <b>K.</b>                                                                                                   | WMD Effects – none.                                                                                                                                                                                                                                                                                                                                             |
| <b>L.</b>                                                                                                   | Indications of Follow-on Incidents – Earthquakes near Niigata Prefect.                                                                                                                                                                                                                                                                                          |
| <b>6. Initial Response (e.g., on-scene assets, EOCs activated, local/regional response, etc.)</b>           |                                                                                                                                                                                                                                                                                                                                                                 |
| <b>A.</b>                                                                                                   | Local – Japan issued state of emergency.                                                                                                                                                                                                                                                                                                                        |
| <b>B.</b>                                                                                                   | State – None.                                                                                                                                                                                                                                                                                                                                                   |
| <b>C.</b>                                                                                                   | Federal – NRC Headquarters EOCs activated.                                                                                                                                                                                                                                                                                                                      |
| <b>7.</b>                                                                                                   | <b>Federal/State/Local/International/Private Sector Notifications</b> – DHS, IAEA, DOE, FEMA, DOD (NAVSEA08, CNIC HQ, DTRA).                                                                                                                                                                                                                                    |
| <b>8.</b>                                                                                                   | <b>COOP/COG Actions Anticipated</b> – None.                                                                                                                                                                                                                                                                                                                     |
| <b>9.</b>                                                                                                   | <b>National Capitol Region Impact</b> – None.                                                                                                                                                                                                                                                                                                                   |
| <b>10.</b>                                                                                                  | <b>International Impact</b> – Japan.                                                                                                                                                                                                                                                                                                                            |
| <b>11.</b>                                                                                                  | <b>DHS Initial Actions/Intentions</b> Press releases, White House notifications.                                                                                                                                                                                                                                                                                |
| <b>12.</b>                                                                                                  | <b>Additional Remarks</b> – None.                                                                                                                                                                                                                                                                                                                               |
| <b>13.</b>                                                                                                  | <b>Prepared By:</b> Beth Reed<br><b>Contact Information:</b> LIA11.Hoc@nrc.gov; 301-816-5186                                                                                                                                                                                                                                                                    |
| <b>14.</b>                                                                                                  | <b>Approved By:</b> Executive Team                                                                                                                                                                                                                                                                                                                              |

~~OFFICIAL USE ONLY~~



---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 12:15 PM  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Subject:** Re: Non Sunshine Act Comm Briefing

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Cc: Coggins, Angela  
Sent: Sat Mar 12 11:12:27 2011  
Subject: Re: Non Sunshine Act Comm Briefing

(b)(5)

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Cc: Coggins, Angela  
Sent: Sat Mar 12 11:05:37 2011  
Subject: Re: Non Sunshine Act Comm Briefing

Ok. If he wants to do it we would ask annette to set it up and include her and steve. Reid may also want to talk to him this afternoon.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Cc: Coggins, Angela  
Sent: Sat Mar 12 11:02:38 2011  
Subject: Non Sunshine Act Comm Briefing

(b)(5)

(b)(5)

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 11:30 AM  
**To:** Monninger, John  
**Subject:** Re: Driver YES

I'll drive

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Sat Mar 12 11:24:03 2011  
Subject: Re: Driver YES

So you will engage with the Chairman or driver to have you picked up if you need it or should we call the driver.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Cc: Coggins, Angela; Pace, Patti  
Sent: Sat Mar 12 11:13:04 2011  
Subject: Re: Driver YES

(b)(6)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Jaczko, Gregory  
Cc: Coggins, Angela; Pace, Patti; Batkin, Joshua  
Sent: Sat Mar 12 11:11:10 2011  
Subject: Driver YES

Mr. Chairman

We have your driver services available. Your normal driver will be in DC in the vicinity of the WH by noon. We can engage him as you need.

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 11:13 AM  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Subject:** Re: Non Sunshine Act Comm Briefing

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 11:12:27 2011  
**Subject:** Re: Non Sunshine Act Comm Briefing

(b)(5)

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 11:05:37 2011  
**Subject:** Re: Non Sunshine Act Comm Briefing

Ok. If he wants to do it we would ask annette to set it up and include her and steve. Reid may also want to talk to him this afternoon.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 11:02:38 2011  
**Subject:** Non Sunshine Act Comm Briefing

(b)(5)

(b)(5)

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 10:56 AM  
**To:** Monninger, John  
**Subject:** He

Also sent them an email last night

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 10:05 AM  
**To:** Jaczko, Gregory  
**Cc:** Batkin, Joshua; Coggins, Angela  
**Subject:** WH NY Ave 17st Entrance

Mr Chairman

For the 11 am WH mtg, you should use the New York Ave and 17 St entrance.

Dave Skeen will meet you there at 1030. He will have hard copy material.  
John Monninger

|        |
|--------|
| (b)(6) |
|--------|



---

**From:** Coggins, Angela  
**Sent:** Saturday, March 12, 2011 9:51 AM  
**To:** Monninger, John  
**Subject:** Re: He'll want a plus one

Thanks for that!! And thanks so much for covering this morning!!

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Coggins, Angela  
Sent: Sat Mar 12 09:46:43 2011  
Subject: Re: He'll want a plus one

Will do. I was including you so you could potentially follow what was going on.

John Monninger

(b)(6)

----- Original Message -----

From: Coggins, Angela  
To: Monninger, John; Batkin, Joshua  
Sent: Sat Mar 12 09:42:59 2011  
Subject: Re: He'll want a plus one

Just let me know what support, if any, he may need from me.

Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Cc: Coggins, Angela  
Sent: Sat Mar 12 09:40:49 2011  
Subject: Re: He'll want a plus one

GBJ thinks we can do just plus one. Skeen is it. He will have hard copies of information.

We are having someone from the Ops Ctr drive him down. Also trying to engage driver services for rest of day for GBJ and anything else.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Sent: Sat Mar 12 09:30:54 2011  
Subject: Re: He'll want a plus one

I could make it

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Sat Mar 12 09:28:52 2011  
Subject: Re: He'll want a plus one

Ok. We are talking to GBJ now.

QAs and other material will be delivered to GBJ

Dave Skeen is the plus one. He is the RST director.  
John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Sent: Sat Mar 12 09:22:37 2011  
Subject: He'll want a plus one

If he's going there so he can take a reactor expert

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 9:47 AM  
**To:** Batkin, Joshua  
**Subject:** Re: He'll want a plus one

Yes they will deliver hard copies.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 09:46:31 2011  
**Subject:** Re: He'll want a plus one

And they'll have his materials?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 09:40:49 2011  
**Subject:** Re: He'll want a plus one

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John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sat Mar 12 09:30:54 2011  
**Subject:** Re: He'll want a plus one

I could make it

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko

(301) 415-1820

----- Original Message -----

From: Monninger, John

To: Batkin, Joshua

Sent: Sat Mar 12 09:28:52 2011

Subject: Re: He'll want a plus one

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John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua

To: Monninger, John

Sent: Sat Mar 12 09:22:37 2011

Subject: He'll want a plus one

If he's going there so he can take a reactor expert

Joshua C. Batkin

Chief of Staff

Chairman Gregory B. Jaczko

(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 9:42 AM  
**To:** Batkin, Joshua  
**Subject:** Re: He'll want a plus one

No. He went off 5 minutes ago.

John Monninger

(b)(6)

----- Original Message -----

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sat Mar 12 09:37:31 2011  
**Subject:** Re: He'll want a plus one

Still on with him? I'll jump on the bridge.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sat Mar 12 09:28:52 2011  
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John Monninger

(b)(6)

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**Subject:** He'll want a plus one

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Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 9:31 AM  
**To:** Monninger, John  
**Subject:** Re: He'll want a plus one

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Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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John Monninger

(b)(6)

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Subject: He'll want a plus one

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Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 9:31 AM  
**To:** Monninger, John  
**Subject:** Re: He'll want a plus one

Great. See if he wants one of us there too.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Sat Mar 12 09:28:52 2011  
Subject: Re: He'll want a plus one

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John Monninger

(b)(6)

----- Original Message -----

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To: Monninger, John  
Sent: Sat Mar 12 09:22:37 2011  
Subject: He'll want a plus one

If he's going there so he can take a reactor expert

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Hipschman, Thomas  
**Sent:** Saturday, March 12, 2011 9:24 AM  
**To:** Monninger, John; Batkin, Joshua; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Marshall, Michael; Bradford, Anna  
**Subject:** RE: Q&A  
**Attachments:** image001.png

(b)(5)

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**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 8:47 AM  
**To:** Hipschman, Thomas; Batkin, Joshua; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Marshall, Michael; Bradford, Anna  
**Subject:** Re: Q&A

(b)(5)

John Monninger

(b)(6)

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**From:** Hipschman, Thomas  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Marshall, Michael; Bradford, Anna  
**Sent:** Sat Mar 12 08:03:09 2011  
**Subject:** RE: Q&A

You might want to address GI-199. This is the summary from RES. It addresses both reactors and fuel facilities

And, there also should be a Q&A about the recently discovered shoreline fault near Diabo Canyon, and what we are doing about it.

#### GI-199

---

#### Implications of Updated Probabilistic Seismic Hazard Estimates in Central and Eastern United States on Existing Plants

While reviewing new reactor applications and updating seismic hazard information from the U.S. Geological Survey, the staff identified that the estimated seismic hazard levels at some current central and eastern U.S. (CEUS) nuclear sites may be higher than seismic hazard values used in design and previous evaluations. GI-199 was opened to assess the implications of updated seismic data and methods on operating plants. For the Safety/Risk Assessment, RES evaluated the effects of new seismic hazard data and methods on U.S. nuclear plants, and collaborated with the Electric Power Research Institute to assure a sound technical approach. The Safety/Risk Assessment Panel Report <sup>1</sup> was issued on September 2, 2010. The panel recommended that further actions be taken to address GI-199 outside the GI Program. The issue was transferred to NRR on September 2, 2010 for Regulatory Office Implementation. Information Notices were issued in September 2010, to inform stakeholders of the issuance of the GI-199 Safety/Risk Assessment Report <sup>2</sup>. Information Notice IN 2010-18 <sup>3</sup> was issued to nuclear power plants and independent spent fuel storage installations (ISFSI); it stated that the NRC will follow the appropriate regulatory process to request operating plants and ISFSIs to provide specific information relating to their facilities to enable the NRC staff to complete the Regulatory Assessment where candidate backfits are identified and evaluated. Information Notice IN 2010-19 <sup>4</sup> was issued to fuel cycle facilities. NRR plans to develop a Generic Letter to request needed data from power reactor licensees in the Central and Eastern U.S.

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 12:07 AM  
**To:** Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Hipschman, Thomas; Marshall, Michael; Bradford, Anna  
**Subject:** FW: Q&A



---

**From:** Harrington, Holly  
**Sent:** Friday, March 11, 2011 11:45 PM  
**To:** Batkin, Joshua  
**Subject:** FW: Q&A

---

**From:** LIA07 Hoc  
**Sent:** Friday, March 11, 2011 10:57 PM  
**To:** Harrington, Holly  
**Cc:** Mroz (Sahm), Sara  
**Subject:** Q&A

Here you go.

---

**From:** Brenner, Eliot  
**Sent:** Saturday, March 12, 2011 9:17 AM  
**To:** Monninger, John  
**Subject:** Out of Office: Q&A

I will be out of the office until Monday, March 18, I am reading emails regularly and will respond as quickly as possible. If you need assistance, please call 301-415-8200.

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 9:17 AM  
**To:** Brenner, Eliot  
**Subject:** Fw: Q&A  
**Attachments:** image002.png

Eliot

See below for recommendations on additional QAs from Susan Loyd.

Thanks.  
John Monninger  

(b)(6)

---

**From:** Loyd, Susan  
**To:** Hipschman, Thomas; Batkin, Joshua; Monninger, John; Coggins, Angela; Warren, Roberta; Pearson, Laura; Marshall, Michael; Bradford, Anna  
**Sent:** Sat Mar 12 08:46:51 2011  
**Subject:** Re: Q&A

A couple of other, very direct questions that reporters may ask:

- Have you talked directly to your counterpart at the Japanese regulatory agency?
- Would US plants be able to withstand a 8.9 magnitude earthquake like the one in Japan?
- This earthquake was the largest in Japan's history. Why do we think that our regulatory requirements are adequate to meet an earthquake or tsunami of historic scale?
- The tsunami reached many miles inland in Japan. It did not stop at what we normally think of as the coast. Are our plants and facilities that are located further away from the coast still designed to be able to handle this type of gigantic wave?

Sent from an NRC Blackberry  
Susan Loyd  

(b)(6)

---

**From:** Hipschman, Thomas  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Marshall, Michael; Bradford, Anna  
**Sent:** Sat Mar 12 08:03:09 2011  
**Subject:** RE: Q&A

You might want to address GI-199. This is the summary from RES. It addresses both reactors and fuel facilities

And, there also should be a Q&A about the recently discovered shoreline fault near Diabo Canyon, and what we are doing about it.

**GI-199**

---

**Implications of Updated Probabilistic Seismic Hazard Estimates in Central and Eastern United States on Existing Plants**

While reviewing new reactor applications and updating seismic hazard information from the U.S. Geological Survey, the staff identified that the estimated seismic hazard levels at some current central and eastern U.S. (CEUS) nuclear sites may be higher than seismic hazard values used in design and previous evaluations. GI-199 was opened to assess the implications of updated seismic data and methods on operating plants.

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---

**From:** Batkin, Joshua

**Sent:** Saturday, March 12, 2011 12:07 AM

**To:** Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Hipschman, Thomas; Marshall, Michael; Bradford, Anna

**Subject:** FW: Q&A

---

**From:** Harrington, Holly

**Sent:** Friday, March 11, 2011 11:45 PM

**To:** Batkin, Joshua

**Subject:** FW: Q&A

---

**From:** LIA07 Hoc

**Sent:** Friday, March 11, 2011 10:57 PM

**To:** Harrington, Holly

**Cc:** Mroz (Sahm), Sara

**Subject:** Q&A

Here you go.

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 9:04 AM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** If

There's a noon call, he plans to come in for it and I would too.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 9:03 AM  
**To:** Monninger, John  
**Subject:** How are we looking?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 8:40 AM  
**To:** Monninger, John  
**Subject:** Re: Howd

K

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua  
Sent: Sat Mar 12 08:32:40 2011  
Subject: Re: Howd

I send out a summary to all in a moment.

Briefing was brief (5 minutes). 1 question from Orders on when Ulises will be there. 9 tonight.

John Monninger

(b)(6)

----- Original Message -----

From: Batkin, Joshua  
To: Monninger, John  
Sent: Sat Mar 12 08:29:46 2011  
Subject: Howd

The ta call go?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 8:23 AM  
**To:** Jaczko, Gregory  
**Subject:** Re:

Will do. Let me know if you need anything.

John Monninger

(b)(6)

----- Original Message -----

**From:** Jaczko, Gregory  
**To:** Monninger, John  
**Sent:** Sat Mar 12 08:21:50 2011  
**Subject:**

(b)(6)

Have the ops center call me if anything changes



---

**From:** Pearson, Laura  
**Sent:** Saturday, March 12, 2011 7:17 AM  
**To:** Bradford, Anna; Batkin, Joshua; Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Hipschman, Thomas; Marshall, Michael  
**Subject:** RE: Q&A

(b)(5)

---

**From:** Bradford, Anna  
**Sent:** Saturday, March 12, 2011 7:03 AM  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Hipschman, Thomas; Marshall, Michael  
**Subject:** Re: Q&A

(b)(5)

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela; Loyd, Susan; Warren, Roberta; Pearson, Laura; Hipschman, Thomas; Marshall, Michael; Bradford, Anna  
**Sent:** Sat Mar 12 00:07:16 2011  
**Subject:** FW: Q&A

**From:** Harrington, Holly  
**Sent:** Friday, March 11, 2011 11:45 PM  
**To:** Batkin, Joshua  
**Subject:** FW: Q&A

**From:** LIA07 Hoc  
**Sent:** Friday, March 11, 2011 10:57 PM  
**To:** Harrington, Holly  
**Cc:** Mroz (Sahm), Sara  
**Subject:** Q&A

Here you go.

---

**From:** Bradford, Anna  
**Sent:** Saturday, March 12, 2011 6:59 AM  
**To:** Monninger, John  
**Subject:** Fw: 1115 TA call

Anything new since this info last night (besides what I saw on the news about an explosion possibly damaging the containment building)?

---

**From:** Monninger, John  
**To:** Batkin, Joshua; Loyd, Susan; Coggins, Angela; Marshall, Michael; Hipschman, Thomas  
**Cc:** Bradford, Anna; Pearson, Laura; Warren, Roberta  
**Sent:** Sat Mar 12 00:04:48 2011  
**Subject:** RE: 1115 TA call

Summary of the 1115 TA call is as follows:

- 35 or so NRC staff called in from most NRC all offices and Regions (Cmr. Apo staff didn't call in)
- Briefing was led by Scott Morris. They have scaled down RST, ET, PMT, and LT in there. Ops Ctr is working shifts. New shift just came in at 11:00 and will stay till 7:00, when another shift comes in. ET currently being lead by Dan Dorman.
- NRC following 2 units at Daiichi (Units 1&2). These units are similar to the early 1970's US GE BWRs (2/3/4) with Mark I containments. Unit 1 is similar to Oyster Creek and Dresden with an Isolation Condenser. Unit 2 is similar to Monticello with RCIC cooling. Both systems are used in SBO scenarios.
- Information is still sketchy and the staff is maily relying upon press releases from TEPCO, JNES, and media outlets. Care needs to be taken in using the information.
- Both units shutdown entered a loss of offsite power and were provided with power for a short time from the EDGs. Then the tsunami came and wiped out the infrastructure supporting the EDGs and other equipment. For example, the EDG fuel storage tanks were washed away. So, both units have been in an SBO for 12-14 or more hours. Core being cooled through the isolation condenser and RCIC, but containment is heating up and pressurizing. Containment pressure in the range of 80 psig, which is about double design pressure. Looking at, and probably venting containment for both units.
- RST has been in contact with GE and Exelon regarding having SBO scenarios run on the simulator. It appears that GE is proactivley doing this, and hasn't been requested to do it by the Japanesse.
- RST predicting that if conditions don't change, ultimately the scenario leads to core damage.
- RST estimated this is an INES Level 3 event on the internation scale.
- NRC has been working with the rest of the US government in offering and determining what assistance could be provided. USAID (State Dept) is leading the coordination for assistance to other countries. A military flight of government personnel was departing tonight at 11:30, and NRC was looking to fill one seat on the plane. Not sure if the individual made it or not. The NRC person would provide technical assistance/engineering stuff.
- Q&As have been pulled together and shared with the Chairman.

Questions from the staff who called in:

Franovich - What's the status of the Daini plants? He thought they also had issues based on press releases. Ops Ctr looking into it.

Uhle - What type of technical assistance have the Japanese asked for? Response - engineering type assistance.

That's it.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:06 PM  
**To:** Loyd, Susan; Monninger, John; Coggins, Angela; Marshall, Michael; Hipschman, Thomas  
**Cc:** Bradford, Anna; Pearson, Laura; Warren, Roberta  
**Subject:** RE: 1115 TA call

Highlights of GBJ's 2230 brief –

(b)(5)

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**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 10:53 PM  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Hipschman, Thomas  
**Subject:** Re: 1115 TA call

Ok. Thanks.

Sent from an NRC Blackberry  
Susan Loyd

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Loyd, Susan; Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela  
**Sent:** Fri Mar 11 22:37:51 2011  
**Subject:** RE: 1115 TA call

I'll send around an email after but they don't have much new for GBJ right now.

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 10:36 PM  
**To:** Monninger, John; Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela  
**Subject:** Re: 1115 TA call

I was going to call in but if we are limiting numbers then I'm the one to go. I'd like to be updated though either tonight or tomorrow AM if possible?  
Susan

Sent from an NRC Blackberry  
Susan Loyd

(b)(6)

---

**From:** Monninger, John  
**To:** Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Sent:** Fri Mar 11 22:27:53 2011  
**Subject:** RE: 1115 TA call

Okay. I can do it.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:21 PM  
**To:** Hipschman, Thomas; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Actually, um, er, well. I would like one of you (john, Michael, or tom) on. I'm only a fake reactor TA. Talk amongst yourself.

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 10:14 PM  
**To:** Batkin, Joshua; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Be my guest! Thanks.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:07 PM  
**To:** Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** 1115 TA call

I'm going to do it so you don't have to but can if you want to. I think all of us is overkill though so let me know if you want to be on.

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Coggins, Angela  
**Sent:** Saturday, March 12, 2011 6:55 AM  
**To:** Monninger, John; Batkin, Joshua  
**Subject:** Re: shift staffing

Thanks, John! Can you send one of those awesome summaries when the call is done so I'll know what I'm walking into?  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 06:52:51 2011  
**Subject:** Re: shift staffing

I'm in the Ops Ctr ET room  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Cc:** Coggins, Angela  
**Sent:** Sat Mar 12 06:49:31 2011  
**Subject:** RE: shift staffing

Awesome. Head to the ops center to listen in on the 7am call.

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 6:47 AM  
**To:** Coggins, Angela; Batkin, Joshua  
**Subject:** Re: shift staffing

I just arrived at TWFN.  
John Monninger

(b)(6)

---

**From:** Coggins, Angela  
**To:** Batkin, Joshua; Monninger, John  
**Sent:** Sat Mar 12 06:43:42 2011  
**Subject:** Re: shift staffing

John, I can relieve you at some point - definitely by noon. Josh, let me know what would be most useful.  
Angela Coggins  
Policy Director  
Office of Chairman Gregory B Jaczko  
US Nuclear Regulatory Commission  
[angela.coggins@nrc.gov/301-415-1828](mailto:angela.coggins@nrc.gov/301-415-1828)

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sat Mar 12 05:56:22 2011  
**Subject:** RE: shift staffing

(b)(5)

Staff saw video overnight of an explosion and what they believe shows damage to the reactor building and leads them to believe containment is no longer fully in tact. Also reports that there was some level of core damage - very unconfirmed.

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 12:08 AM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** Re: shift staffing

I can make it by 8. Just give me the go.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sat Mar 12 00:06:23 2011  
**Subject:** RE: shift staffing

(b)(5)

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**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:57 PM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** RE: shift staffing

(b)(5)

(b)(5)

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**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:54 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** RE: shift staffing

(b)(5)

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:52 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** shift staffing

(b)(5),(b)(6)

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 6:05 AM  
**To:** Batkin, Joshua  
**Subject:** Re: shift staffing

(b)(6)

John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sat Mar 12 05:56:22 2011  
**Subject:** RE: shift staffing

(b)(5)

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**To:** Batkin, Joshua; Coggins, Angela  
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John Monninger

(b)(6)

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**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sat Mar 12 00:06:23 2011  
**Subject:** RE: shift staffing

(b)(5)

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:57 PM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** RE: shift staffing

(b)(5)

(b)(5)

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**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:54 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** RE: shift staffing



(b)(5)

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:52 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** shift staffing

(b)(5),(b)(6)

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Batkin, Joshua  
**Sent:** Saturday, March 12, 2011 12:38 AM  
**To:** Monninger, John  
**Subject:** Re: shift staffing

K thanks

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sat Mar 12 00:33:18 2011  
**Subject:** Re: shift staffing

Either way I'm fine. Ill check the BB in the morning and run from there.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Sat Mar 12 00:31:01 2011  
**Subject:** Re: shift staffing

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Batkin, Joshua  
**Sent:** Sat Mar 12 00:17:51 2011  
**Subject:** Re: shift staffing

\* Ok. I can make it for the 7 in there.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sat Mar 12 00:10:46 2011  
**Subject:** RE: shift staffing

(b)(5)

**From:** Monninger, John  
**Sent:** Saturday, March 12, 2011 12:08 AM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** Re: shift staffing

I can make it by 8. Just give me the go.  
John Monninger

(b)(6)

**From:** Batkin, Joshua  
**To:** Monninger, John; Coggins, Angela  
**Sent:** Sat Mar 12 00:06:23 2011  
**Subject:** RE: shift staffing

(b)(5)

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:57 PM  
**To:** Batkin, Joshua; Coggins, Angela  
**Subject:** RE: shift staffing

(b)(5)

(b)(5)

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:54 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** RE: shift staffing

(b)(5)

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:52 PM  
**To:** Monninger, John; Coggins, Angela  
**Subject:** shift staffing

(b)(5),(b)(6)

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:46 PM  
**To:** Monninger, John  
**Subject:** RE: you on?

thx

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:43 PM  
**To:** Batkin, Joshua  
**Subject:** RE: you on?

I spoke with Mike and filled him in. They intentionally didn't call in, as they didn't think the status would change much. He mentioned planning on calling in for the 7:00 am call, and I said they didn't mention having one tomorrow morning. They are having a turnover at the Ops Center, but I don't believe they committed to a TA call. He understood and would monitor the BB for any future TA brief.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:35 PM  
**To:** Monninger, John  
**Subject:** RE: you on?

Actually yes please

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:31 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Do you want me to call Snodderly.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:22:19 2011  
**Subject:** RE: you on?

Did you hear and apostolakis staffer's name?

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:21 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Yes  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:20:01 2011  
**Subject:** you on?

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:38 PM  
**To:** Monninger, John  
**Subject:** RE: you on?

thx

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:36 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Will do. I'm also sending an email to our staff to summarize the call.

John Monninger  
(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:35:08 2011  
**Subject:** RE: you on?

Actually yes please

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:31 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Do you want me to call Snodderly.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:22:19 2011  
**Subject:** RE: you on?

Did you hear and apostolakis staffer's name?

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:21 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Yes  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:20:01 2011  
**Subject:** you on?

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko.  
(301) 415-1820 ph

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:32 PM  
**To:** Monninger, John  
**Subject:** RE: you on?

Just emailed.

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:31 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Do you want me to call Snodderly.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:22:19 2011  
**Subject:** RE: you on?

Did you hear and apostolakis staffer's name?

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:21 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Yes  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:20:01 2011  
**Subject:** you on?

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph



---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:32 PM  
**To:** Sosa, Belkys; Snodderly, Michael  
**Cc:** Monninger, John  
**Subject:** 1115 TA brief

Hey – not sure if you have anyone on the call tonight but please feel free to call John or I if you have any questions.

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:24 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

No. Just Mag and Svinicki and Ost.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:22:19 2011  
**Subject:** RE: you on?

Did you hear and apostolakis staffer's name?

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:21 PM  
**To:** Batkin, Joshua  
**Subject:** Re: you on?

Yes  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John  
**Sent:** Fri Mar 11 23:20:01 2011  
**Subject:** you on?

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:06 PM  
**To:** Loyd, Susan; Monninger, John; Coggins, Angela; Marshall, Michael; Hipschman, Thomas  
**Cc:** Bradford, Anna; Pearson, Laura; Warren, Roberta  
**Subject:** RE: 1115 TA call

Highlights of GBJ's 2230 brief –

(b)(5)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 10:53 PM  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Hipschman, Thomas  
**Subject:** Re: 1115 TA call

Ok. Thanks.

Sent from an NRC Blackberry  
Susan Loyd

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Loyd, Susan; Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela  
**Sent:** Fri Mar 11 22:37:51 2011  
**Subject:** RE: 1115 TA call

(b)(5)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 10:36 PM  
**To:** Monninger, John; Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela  
**Subject:** Re: 1115 TA call

I was going to call in but if we are limiting numbers then I'm the one to go. I'd like to be updated though either tonight or tomorrow AM if possible?

Susan

Sent from an NRC Blackberry  
Susan Loyd

(b)(6)

---

**From:** Monninger, John  
**To:** Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Sent:** Fri Mar 11 22:27:53 2011  
**Subject:** RE: 1115 TA call

Okay. I can do it.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:21 PM  
**To:** Hipschman, Thomas; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Actually, um, er, well. I would like one of you (john, Michael, or tom) on. I'm only a fake reactor TA. Talk amongst yourself.

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 10:14 PM  
**To:** Batkin, Joshua; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Be my guest! Thanks.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:07 PM  
**To:** Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** 1115 TA call

I'm going to do it so you don't have to but can if you want to. I think all of us is overkill though so let me know if you want to be on.

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 11:05 PM  
**To:** Monninger, John  
**Subject:** RE: 1115 TA call

thanks

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:04 PM  
**To:** Hipschman, Thomas  
**Subject:** RE: 1115 TA call

I'll shoot you an email summarizing it.

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 11:01 PM  
**To:** Monninger, John  
**Subject:** RE: 1115 TA call

You got it. I'm kind of fading....

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 10:54 PM  
**To:** Hipschman, Thomas  
**Subject:** RE: 1115 TA call

My interest was trying to follow the event in case I got called in on the RST over the weekend. They are bringing in the 2nd shift at 11:00.

Either way (you cover or me), I'm fine. I don't want to tread on the Reactor Guys.

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 10:43 PM  
**To:** Monninger, John; Batkin, Joshua; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

John,

If you are planning to listen in, then I'll let you do it.

Tom

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 10:27 PM  
**To:** Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

I was planning on listening in, but do recognize the potential for overkill. Let me know.

(b)(5)

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:06 PM  
**To:** Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** 1115 TA call

I'm going to do it so you don't have to but can if you want to. I think all of us is overkill though so let me know if you want to be on.

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 10:53 PM  
**To:** Batkin, Joshua; Monninger, John; Coggins, Angela; Marshall, Michael; Hipschman, Thomas  
**Subject:** Re: 1115 TA call

Ok. Thanks.

Sent from an NRC Blackberry

Susan Loyd

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Loyd, Susan; Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela  
**Sent:** Fri Mar 11 22:37:51 2011  
**Subject:** RE: 1115 TA call

(b)(5)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 10:36 PM  
**To:** Monninger, John; Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela  
**Subject:** Re: 1115 TA call

I was going to call in but if we are limiting numbers then I'm the one to go. I'd like to be updated though either tonight or tomorrow AM if possible?

Susan

Sent from an NRC Blackberry

Susan Loyd

(b)(6)

---

**From:** Monninger, John  
**To:** Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Sent:** Fri Mar 11 22:27:53 2011  
**Subject:** RE: 1115 TA call

Okay. I can do it.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:21 PM  
**To:** Hipschman, Thomas; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Actually, um, er, well. I would like one of you (john, Michael, or tom) on. I'm only a fake reactor TA. Talk amongst yourself.

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 10:14 PM  
**To:** Batkin, Joshua; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Be my guest! Thanks.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:07 PM  
**To:** Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** 1115 TA call

I'm going to do it so you don't have to but can if you want to. I think all of us is overkill though so let me know if you want to be on.

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph



---

**From:** Marshall, Michael  
**Sent:** Friday, March 11, 2011 10:32 PM  
**To:** Monninger, John; Batkin, Joshua; Hipschman, Thomas  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

John,

Tom and I talked. Tom was planning on calling in. I sent a separate email from my blackberry, but I does not appear to have been truly sent yet.

Michael

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 10:27 PM  
**To:** Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Okay. I can do it.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:21 PM  
**To:** Hipschman, Thomas; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Actually, um, er, well. I would like one of you (john, Michael, or tom) on. I'm only a fake reactor TA. Talk amongst yourself.

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 10:14 PM  
**To:** Batkin, Joshua; Monninger, John; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** RE: 1115 TA call

Be my guest! Thanks.

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 10:07 PM  
**To:** Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** 1115 TA call

I'm going to do it so you don't have to but can if you want to. I think all of us is overkill though so let me know if you want to be on.

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Marshall, Michael  
**Sent:** Friday, March 11, 2011 10:10 PM  
**To:** Batkin, Joshua; Monninger, John; Hipschman, Thomas  
**Cc:** Coggins, Angela; Loyd, Susan  
**Subject:** Re: 1115 TA call

Josh,

Agree on overkill comment. Since you have coverage, I do not plan to call in.

Michael

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Hipschman, Thomas; Marshall, Michael  
**Cc:** Coggins, Angela; Loyd, Susan  
**Sent:** Fri Mar 11 22:06:43 2011  
**Subject:** 1115 TA call

I'm going to do it so you don't have to but can if you want to. I think all of us is overkill though so let me know if you want to be on.

Joshua C. Batkin  
Chief of Staff  
Office of Chairman Jaczko  
(301) 415-1820 ph

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 7:34 PM  
**To:** Mamish, Nader; Doane, Margaret  
**Subject:** Fw: Tokyo Electric Power To Release Reactor Pressure

(b)(5)

Thanks.

John Monninger

(b)(6)

---

**From:** Breskovic, Clarence  
**To:** Breskovic, Clarence  
**Sent:** Fri Mar 11 19:27:56 2011  
**Subject:** Tokyo Electric Power To Release Reactor Pressure

#### **Tokyo Electric Power To Release Reactor Pressure**

Tokyo, March 12 (Jiji Press) -- Tokyo Electric Power Co. has decided to release the pressure from reactors of a quake-hit nuclear power plant in Fukushima Prefecture, northern Japan, to prevent them from breaking down, company sources said Saturday.

Releasing the pressure from the company's Fukushima No. 1 nuclear power plant by opening their valves may let a small amount of radioactive substances leak out into the atmosphere, according to Tokyo Electric Power.

The safety of nearby residents will be ensured as all the residents in a 10-kilometer radius from the power plant have been evacuated or instructed by the government to stay at home, according to the sources.

Immediately after the 8.8-magnitude quake hit northeastern Japan, all the three operating reactors at the power plant stopped automatically.

Internal pressure is feared to have risen at all the reactors. The pressure in the No. 1 reactor increased to 600 kilopascals from the normal level of 400 kilopascals.

Meantime, Tokyo Electric Power is striving to restore the No. 2 reactor's cooling system, which stopped working because the quake caused a power outage and emergency diesel power generation equipment broke down.

While the reactor's cooling water levels are still kept at about 3.5 meters above the top of its nuclear fuel rods, the level's decline would force the fuel rods exposed to air to generate radiation.

---

#### **Radiation Could Already Have Leaked at Nuke Plant**

Tokyo, March 12 Kyodo -- Radioactive substances could already have leaked at the Fukushima No. 1 nuclear power plant after a magnitude 8.8 earthquake hit northern Japan, the operator Tokyo Electric Power Co. said Saturday.

The amount of radiation reached around 1,000 times the normal level in the control room of the No. 1 reactor of the plant, the Nuclear and Industrial Safety Agency also said. The discovery suggests radioactive steam could spread around the facility.

The agency also said radiation has been more than eight times the normal level at a monitoring post near the main gate of the plant.

The authorities expanded the evacuation area for residents in the vicinity of the plant from a 3-kilometer radius to 10 km on the orders of Prime Minister Naoto Kan, who plans to visit the facility later Saturday.

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 7:28 PM  
**To:** Batkin, Joshua; Monninger, John; Pearson, Laura  
**Subject:** Fw: ACTION: Commissioner's Assistant Briefing Notification

FYI

Does the chairman still want to know about these calls?

---

**From:** ANS.HOC@nrc.gov <ANS.HOC@nrc.gov>  
**Sent:** Fri Mar 11 19:24:09 2011  
**Subject:** ACTION: Commissioner's Assistant Briefing Notification

There will be a Commissioner's Assistant Briefing given by Headquarters at 2315 EST concerning the Japan Tsunami event. Call (b)(6) approximately 5 minutes before the scheduled start time. When prompted, enter security code (b)(6). You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 7:19 PM  
**To:** Doane, Margaret  
**Cc:** Monninger, John; Borchardt, Bill; Coggins, Angela  
**Subject:** Re: Japan

(b)(5)

Thank you.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

**From:** Doane, Margaret  
**To:** Batkin, Joshua  
**Cc:** Monninger, John; Borchardt, Bill  
**Sent:** Fri Mar 11 19:02:35 2011  
**Subject:** Japan

Josh,  
I've left you a note. I'm at the Ops Center.

(b)(5)

(b)(5)

The number for the operations center is  
+1-301-816-5100

\*\*\*\*\*

(b)(5)

(b)(5)

Margie

Sent from an NRC Blackberry  
Margaret Doane

---

**From:** McKelvin, Sheila  
**Sent:** Friday, March 11, 2011 4:33 PM  
**To:** Batkin, Joshua; Monninger, John; Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Nieh, Ho  
**Cc:** Vietti-Cook, Annette; McKelvin, Sheila; Mike, Linda; Jaegers, Cathy; Clayton, Kathleen; Champ, Billie  
**Subject:** Correspondence  
**Attachments:** (b)(5)

Good morning

(b)(5)

**Sheila McKelvin**  
**March 11, 2011**



COMMITTEES

NATURAL RESOURCES  
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ENERGY AND COMMERCE

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2108 RAYBURN HOUSE OFFICE BUILDING  
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(202) 225-2836

DISTRICT OFFICES:

5 HIGH STREET, SUITE 101  
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<http://markey.house.gov>

**Congress of the United States**  
**House of Representatives**  
**Washington, DC 20515-2107**

March 11, 2011

The Honorable Greg Jaczko  
Chairman  
Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852

Dear Chairman Jaczko:

I write to request information related to the potential impacts of the devastating earthquake in Japan on that country's nuclear facilities, as well as on the implications for our own domestic industry.

The 8.9 magnitude earthquake has caused some serious damage at two nuclear facilities in Japan. The Japanese government declared an "atomic power emergency."<sup>1</sup> Fukushima Daiichi nuclear power plant has experienced a failure associated with its emergency diesel generators, preventing the flow of water into its cooling system. To reduce rising pressure inside the Fukushima reactor, slightly radioactive vapor is being released.<sup>2</sup> Residents within a 3 km radius of Fukushima have been evacuated.<sup>3</sup> The United States Air Force also reportedly delivered equipment that could be used to cool the reactor.<sup>4</sup> The International Atomic Energy Agency (IAEA) is seeking information about whether the flow of cooling water has been restored, and about other nuclear power plants and research reactors in Japan.<sup>5</sup> Nuclear fuel requires continued cooling even after a plant has shut down. Failure of the cooling system for many hours is what resulted in a partial core melt at Three Mile Island in 1979.<sup>6</sup> There was also a fire in a turbine building at the Onagawa nuclear facility; Japanese authorities reported to the IAEA that it had been extinguished.<sup>7</sup>

The earthquake and tsunami pose threats to nuclear facilities in the United States. Your staff has informed mine that the Diablo Canyon nuclear power plant in San Luis Obispo, California has declared an 'unusual event' because of the tsunami warnings that have been issued. Taiwan, which has six nuclear reactors, issued a tsunami alert.

<sup>1</sup> <http://www.nytimes.com/2011/03/12/world/asia/12nuclear.html>

<sup>2</sup> [http://www.msnbc.msn.com/id/42025882/ns/world\\_news-asia-pacific/](http://www.msnbc.msn.com/id/42025882/ns/world_news-asia-pacific/)

<sup>3</sup> <http://www.reuters.com/article/2011/03/11/us-quake-japan-iaea-statement-idUSTRE72A2F820110311>

<sup>4</sup> <http://www.reuters.com/article/2011/03/11/japan-quake-reactor-idUSL3E7EB2AH20110311>

<sup>5</sup> <http://www.iaea.org/newscenter/news/2011/tsunamiupdate.html>

<sup>6</sup> <http://www.nytimes.com/2011/03/12/world/asia/12nuclear.html>

<sup>7</sup> <http://www.reuters.com/article/2011/03/11/us-quake-japan-iaea-statement-idUSTRE72A2F820110311>

This disaster serves to highlight both the fragility of nuclear power plants and the potential consequences associated with a radiological release caused by earthquake-related damage. We must ensure that America's nuclear power plants can withstand a catastrophic event and abide by the absolute highest standards for safety. Last year, I requested a GAO investigation<sup>8</sup> into the adequacy of Commission regulations associated with seismic safety. Earlier this week, I wrote<sup>9</sup> you regarding the Commission's pending approval of the design for the AP1000 nuclear reactor, in light of concerns raised by one of the Commission's most long-serving staff that there is a risk that an earthquake at the AP1000 could result in a catastrophic core meltdown. According to this individual:

- The AP1000 shield building failed tests because it is brittle, and could shatter "like a glass cup". About 60 percent of the shield building would consist of a building material that "failed miserably" in a physical test of its ability to withstand out-of-plane shear, one of the forces caused by an earthquake.
- Weak and inadequate computer simulations were used to "prove" the reactor shield is "strong enough".
- Earthquake forces may have been underestimated by Westinghouse.

My concerns about the vulnerabilities of the AP1000 reactor design are only heightened by the reports of the effect of the Japanese quake on their reactors.

I request your prompt attention to the questions raised in my earlier letter. In addition, I request that you provide me with responses to the following questions:

- 1) Please provide me with a detailed description of the earthquake and tsunami-related damage experienced by the nuclear facilities in Japan. If earthquake and tsunami-related damages are reported at other nuclear facilities, please also provide me with a detailed description of these damages. Please ensure that your response includes:
  - a. a description of each specific failure that occurred
  - b. the cause of each specific failure
  - c. whether any radiological release occurred because of the failure
  - d. whether each specific failure could have caused a radiological release if not promptly mitigated and
  - e. how long each specific failure will take to fully repair
- 2) Please also indicate in your response whether you believe each nuclear power plant design a) that is currently in operation in this country, or b) a license for which has been submitted for approval to the Commission for eventual construction and operation in this country can withstand an earthquake or tsunami that is comparable in strength to the one experienced in Japan.
- 3) Please inform me whether you believe that what happened at the Japanese reactors as a result of the earthquake suggests any need for safety improvements at any U.S. reactor, and if so, what actions the Commission is taking to ensure such improvements are made.

---

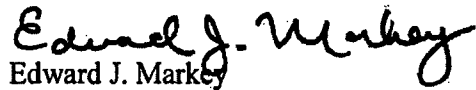
<sup>8</sup> <http://markey.house.gov/docs/gaoinspection.pdf>

<sup>9</sup> <http://markey.house.gov/docs/3-7-11.ejntonrc.pdf>

- 4) Please inform me whether the events in Japan indicate any need for changes to the emergency response plans of U.S. nuclear power plants. Would these plans be adequate in a situation where emergency responders and other resources are needed to deal with many problems simultaneously?
- 5) Please indicate whether NRC regulations require nuclear reactor operators to have emergency backup power for long enough to maintain safe conditions through a crisis such as that occurring in Japan, where power may not come back online for days?<sup>10</sup>

Please provide your response no later than close of business on Friday April 8, 2011. If you have any questions or concerns, please have your staff contact Dr. Michal Freedhoff or Dr. Ilya Fischhoff of my staff at 202-225-2836.

Sincerely,

  
Edward J. Markey

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<sup>10</sup> <http://www.nrc.gov/reading-rm/doc-collections/cfr/part050/part050-0063.html>

---

**From:** Fopma, Melody  
**Sent:** Friday, March 11, 2011 4:28 PM  
**To:** Monninger, John; Loyd, Susan; Batkin, Joshua; Coggins, Angela  
**Subject:** Re: Remarks for Monday's SLS All Hands Mtg

(b)(5)

Sent via NRC Blackberry

---

**From:** Monninger, John  
**To:** Loyd, Susan; Batkin, Joshua; Coggins, Angela; Fopma, Melody  
**Sent:** Fri Mar 11 16:01:33 2011  
**Subject:** RE: Remarks for Monday's SLS All Hands Mtg

(b)(5)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 3:09 PM  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John; Fopma, Melody  
**Subject:** Remarks for Monday's SLS All Hands Mtg

Hi:

(b)(5)

(b)(5)

Thanks.  
Susan

Susan K. Loyd  
Communications Director  
Office of the Chairman  
U.S. Nuclear Regulatory Commission  
Tele: 301-415-1838  
[Susan.Loyd@nrc.gov](mailto:Susan.Loyd@nrc.gov)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 4:05 PM  
**To:** Monninger, John; Batkin, Joshua; Coggins, Angela; Fopma, Melody  
**Subject:** RE: Remarks for Monday's SLS All Hands Mtg

(b)(5)

Susan K. Loyd  
Communications Director  
Office of the Chairman  
U.S. Nuclear Regulatory Commission  
Tele: 301-415-1838  
[Susan.Loyd@nrc.gov](mailto:Susan.Loyd@nrc.gov)

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 4:02 PM  
**To:** Loyd, Susan; Batkin, Joshua; Coggins, Angela; Fopma, Melody  
**Subject:** RE: Remarks for Monday's SLS All Hands Mtg

(b)(5)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 3:09 PM  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John; Fopma, Melody  
**Subject:** Remarks for Monday's SLS All Hands Mtg

Hi:

(b)(5)

(b)(5)

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Susan

Susan K. Loyd  
Communications Director  
Office of the Chairman  
U.S. Nuclear Regulatory Commission  
Tele: 301-415-1838

[Susan.Loyd@nrc.gov](mailto:Susan.Loyd@nrc.gov)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 3:27 PM  
**To:** Fopma, Melody; Batkin, Joshua; Coggins, Angela; Monninger, John  
**Subject:** RE: Remarks for Monday's SLS All Hands Mtg

(b)(5)

Susan K. Loyd  
Communications Director  
Office of the Chairman  
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Tele: 301-415-1838  
[Susan.Loyd@nrc.gov](mailto:Susan.Loyd@nrc.gov)

---

**From:** Fopma, Melody  
**Sent:** Friday, March 11, 2011 3:26 PM  
**To:** Loyd, Susan; Batkin, Joshua; Coggins, Angela; Monninger, John  
**Subject:** RE: Remarks for Monday's SLS All Hands Mtg

Susan,

(b)(5)

---

**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 3:08 PM  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John; Fopma, Melody  
**Subject:** Remarks for Monday's SLS All Hands Mtg

Hi:

(b)(5)

(b)(5)

Thanks.  
Susan

Susan K. Loyd  
Communications Director  
Office of the Chairman  
U.S. Nuclear Regulatory Commission  
Tele: 301-415-1838  
[Susan.Loyd@nrc.gov](mailto:Susan.Loyd@nrc.gov)

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 3:24 PM  
**To:** Monninger, John  
**Subject:** In conf room. Ok?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820



---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 2:47 PM  
**To:** Batkin, Joshua  
**Cc:** Loyd, Susan; Coggins, Angela; Marshall, Michael; Hipschman, Thomas  
**Subject:** Congressional Hearing - Tsunami & EQ Questions

(b)(5)

---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 1:05 PM  
**To:** Batkin, Joshua; Monninger, John; Loyd, Susan; Coggins, Angela; Marshall, Michael  
**Subject:** Re: ACTION: Commissioner's Assistant Briefing Notification

All the TAs are in the conference room listening in.

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Hipschman, Thomas; Loyd, Susan; Coggins, Angela  
**Sent:** Fri Mar 11 13:03:51 2011  
**Subject:** Fw: ACTION: Commissioner's Assistant Briefing Notification

Tom, are you jumping on?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** ANS.HOC@nrc.gov <ANS.HOC@nrc.gov>  
**Sent:** Fri Mar 11 12:53:34 2011  
**Subject:** ACTION: Commissioner's Assistant Briefing Notification

There will be a Commissioner's Assistant Briefing given by Region4/HQ at 1300 concerning the event Tsunami from Japan. Call (b)(6) approximately 5 minutes before the scheduled start time. When prompted, enter security code (b)(6). You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 1:05 PM  
**To:** Batkin, Joshua; Hipschman, Thomas; Loyd, Susan; Coggins, Angela  
**Subject:** Re: ACTION: Commissioner's Assistant Briefing Notification

Yes we are all on.  
John Monninger

(b)(6)

---

**From:** Batkin, Joshua  
**To:** Monninger, John; Hipschman, Thomas; Loyd, Susan; Coggins, Angela  
**Sent:** Fri Mar 11 13:03:51 2011  
**Subject:** Fw: ACTION: Commissioner's Assistant Briefing Notification

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Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

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**From:** ANS.HOC@nrc.gov <ANS.HOC@nrc.gov>  
**Sent:** Fri Mar 11 12:53:34 2011  
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---

**From:** Hipschman, Thomas  
**Sent:** Friday, March 11, 2011 12:24 PM  
**To:** Monninger, John; Monninger, John  
**Subject:** FW: U.S. delivers coolant to Japan nuclear plant: Clinton/ Plant Being Cooled

This sounds inaccurate

---

**From:** Breskovic, Clarence  
**Sent:** Friday, March 11, 2011 12:02 PM  
**To:** Breskovic, Clarence  
**Subject:** U.S. delivers coolant to Japan nuclear plant: Clinton/ Plant Being Cooled

WASHINGTON | Fri Mar 11, 2011 11:05am EST

WASHINGTON (Reuters) - The United States has transported coolant to a Japanese nuclear plant affected by a massive earthquake and will continue to assist Japan, Secretary of State Hillary Clinton said on Friday.

"We just had our Air Force assets in Japan transport some really important coolant to one of the nuclear plants," Clinton said at a meeting of the President's Export Council.

"You know Japan is very reliant on nuclear power and they have very high engineering standards but one of their plants came under a lot of stress with the earthquake and didn't have enough coolant," Clinton said.

---

#### Japan Reactor Being Cooled

LONDON, March 11 (Reuters) - The World Nuclear Association, the main nuclear industry body, said on Friday that it understood the situation at Japan's Fukushima plant after a massive earthquake was under control, and water was being pumped into its cooling system.

"We understand this situation is under control," an analyst at the association told Reuters.

The Japanese government had declared an emergency situation around the plant as a precaution and evacuated residents, saying a cooling system was not working.

The analyst said he understood that a back-up battery power system had been brought online after about an hour, and begun pumping water back into the cooling system, where the water level had been falling.

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 11:34 AM  
**To:** Batkin, Joshua  
**Subject:** RE: which

I didn't get the plant name.

There was another plant that they mentioned had significant flooding due to the tsunami.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 11:31 AM  
**To:** Monninger, John  
**Subject:** which

Japanese plant had the fire?

---

**From:** Bradford, Anna  
**Sent:** Friday, March 11, 2011 10:18 AM  
**To:** Monninger, John  
**Subject:** FW: HOO HIGHLIGHT - NRC IN MONITORING MODE AT 0946  
**Attachments:** image001.jpg

(b)(5)

Anna Bradford  
Policy Advisor for Nuclear Materials  
Office of Chairman Jaczko  
U.S. Nuclear Regulatory Commission  
301-415-1827

---

**From:** HOO Hoc  
**Sent:** Friday, March 11, 2011 10:09 AM  
**To:** HOO Hoc  
**Subject:** HOO HIGHLIGHT - NRC IN MONITORING MODE AT 0946

The NRC is in the Monitoring Response Mode as of 0946 on 3/11/11. Region IV will take the lead for U.S. sites and HQ for international sites to provide assistance in response to the earthquake in Japan and any adverse affects from a tsunami. This response mode change is NOT associated with event number 46668.

Joe O'Hara  
Headquarters Operations Officer  
U.S. Nuclear Regulatory Commission  
Phone: 301-816-5100  
Fax: 301-816-5151  
email: [hoo.hoc@nrc.gov](mailto:hoo.hoc@nrc.gov)  
secure e-mail: [hoo1@nrc.sgov.gov](mailto:hoo1@nrc.sgov.gov)



---

**From:** Dhir, Neha  
**Sent:** Friday, March 11, 2011 9:52 AM  
**To:** Monninger, John  
**Subject:** RE: Tsunami

No problem – just wanted to make sure he got the information. Cool information – I just couldn't figure out what it had to do with the budget!

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 9:51 AM  
**To:** Dhir, Neha  
**Subject:** RE: Tsunami

Yes, sorry about that. I followed up and sent him a copy.

---

**From:** Dhir, Neha  
**Sent:** Friday, March 11, 2011 9:48 AM  
**To:** Monninger, John  
**Subject:** RE: Tsunami

John – did you mean to send this to Ho?

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 9:34 AM  
**To:** Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Dhir, Neha  
**Cc:** Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Subject:** Tsunami

NRC HQ and Region IV are monitoring the potential impact of tsunamis impacting NRC licensees and licensed materials.

Diablo Canyon issued a NOUE due to the Tsunami WARNING. Expected wave is predicted to be well within the Design Basis. Licensees evaluating the potential for loss of circulating water pumps and need for potential shutdown due to sea level draw down in advance of wave. No decision on shutdown at this time. Humboldt Bay ISFSI is also monitoring the event and wave heights are predicted to be within the design basis.

San Onofre is in the Tsunami ADVISORY area so they are monitoring the event. Wave heights are predicted to be well within the design basis.

Staff does not expect any impact to material licensees, including Hawaii, Alaska, Guam, and the Marianas Islands.

Staff from the Japanese regulator (NISA) were attending the RIC and are still in the US. NRC offered them access to the HQ Operations Center to facilitate communications with their government and other entities back home.

OIP has checked and is not aware of any NRC staff in Japan.

---

**From:** Monninger, John  
**Sent:** Friday, March 11, 2011 9:37 AM  
**To:** Batkin, Joshua  
**Subject:** RE: Tsunami

Just sent it.

I was too quick on my email addresses.

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 9:36 AM  
**To:** Monninger, John  
**Subject:** Re: Tsunami

Great - thanks. Add Ho in?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Monninger, John  
**To:** Sharkey, Jeffry; Sosa, Belkys; Bubar, Patrice; Dhir, Neha  
**Cc:** Batkin, Joshua; Hipschman, Thomas; Marshall, Michael  
**Sent:** Fri Mar 11 09:33:53 2011  
**Subject:** Tsunami

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OIP has checked and is not aware of any NRC staff in Japan.



---

**From:** Jaczko, Gregory  
**Sent:** Friday, March 11, 2011 8:13 AM  
**To:** Monninger, John; Batkin, Joshua  
**Cc:** Loyd, Susan; Coggins, Angela  
**Subject:** Re: Tsunami

Thanks

----- Original Message -----

**From:** Monninger, John  
**To:** Batkin, Joshua; Jaczko, Gregory  
**Cc:** Loyd, Susan; Coggins, Angela  
**Sent:** Fri Mar 11 07:21:34 2011  
**Subject:** RE: Tsunami

(b)(5)

-----Original Message-----

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 7:20 AM  
**To:** Jaczko, Gregory  
**Cc:** Monninger, John; Loyd, Susan; Coggins, Angela  
**Subject:** Tsunami

Chairman - record earthquake in Japan with tsunamis overnight. Tsunami warning for HI and West coast this morning.

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 7:39 AM  
**To:** Monninger, John  
**Subject:** Fw: Japan initiates emergency protocol after earthquake

Fyi

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Doane, Margaret  
**To:** Batkin, Joshua  
**Cc:** Coggins, Angela; Pearson, Laura; Mamish, Nader; Foggie, Kirk  
**Sent:** Fri Mar 11 07:36:35 2011  
**Subject:** Re: Japan initiates emergency protocol after earthquake

Good morning Josh. We're checking. We had a couple of cancellations. So, we're doing some further research before making a final determination.

I'm on the way to TMI. Nader is handling these issues. He'll let you know as soon as he has good information.

Kirk has had contact with NISA. If you need any information regarding the plants, please feel to contact him.

Margie

Sent from an NRC Blackberry  
Margaret Doane

---

**From:** Batkin, Joshua  
**To:** Doane, Margaret  
**Cc:** Coggins, Angela; Pearson, Laura  
**Sent:** Fri Mar 11 07:05:35 2011  
**Subject:** Fw: Japan initiates emergency protocol after earthquake

Do we have anyone there?

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

---

**From:** Breskovic, Clarence  
**To:** Breskovic, Clarence  
**Sent:** Fri Mar 11 06:39:42 2011  
**Subject:** Japan initiates emergency protocol after earthquake

Japan initiates emergency protocol after earthquake

11 March 2011

## Nuclear Engineering International

Onagawa, Fukushima Daiichi, Fukushima Daini and Tokai nuclear power stations have automatically shut down following a magnitude 8.8 earthquake off the northeast coast of the largest island of Japan, Honshu.

All four operating plants on that coast have automatically shut down, or SCRAMmed, according to Japan Atomic Information Forum (JAIF). Higashidori 1, which is also located on Honshu's northeast coast, was shut down for a periodic inspection.

The earthquake struck at 2:45pm local time. A 6:45 pm local time report from the Japan Nuclear and Industrial Safety Agency contained more information of damage and other problems in a site-by-site report.

-A CO2 fire has broken out at Onagawa nuclear power station.

-Utility TEPCO has requested the establishment of a nuclear emergency response programme for Fukushima Daiichi 1&3 and Fukushima Daini 1.

JAIF reported that Fukushima Daiichi 1, 2 and 3 automatically shut down; units 4, 5 and 6 were in maintenance outages. Fukushima Daini 1, 2, 3 and 4 automatically shut down.

JAIF has reported that TEPCO sent the emergency report because emergency diesel generators at the two sites are out of order. It said that there is no report that the radiation was detected out of the site. It said that an emergency headquarters has been set up and will issue information hourly.

JAIF also reported that the Rokkasho reprocessing facility was being powered by emergency diesel generators. No other unusual events or radiation leaks have been reported. Nuclear power stations at Hamaoka, Kashiwazaki-Kariwa and Tomari are continuing normal operation, according to JAIF.

After an accident occurs at a nuclear power plant, the licensee must notify the national Nuclear and Industrial Safety Agency by law.

A minister in its controlling organisation, the Ministry of Economy, Trade and Industry, notifies the prime minister's office. The central nuclear emergency response headquarters (NERHQ) of the national government issues a nuclear emergency declaration, which also includes instructions about preventative measures. It receives technical advice from the Nuclear Safety Commission. The NERHQ sends a specialist and the NSC sends a commissioner to the site.

After the emergency declaration is received, the local office of the national government's NERHQ arranges prevention measures based on factors including facility information, climate and monitoring.

Nuclear emergency response operations are coordinated in one of 20 so-called off-site centres spread across Japan, which are close to, but not inside, nuclear facilities. The off-site centre's role is to be the main centre of information, incident analysis, and emergency plan organisation and direction. Two or three senior specialists for nuclear emergency preparedness work in each OFC. In normal conditions, the specialists work as nuclear power safety inspectors, checking plant operation from the viewpoint of regulation. During an emergency, the specialists organize prevention measures as a secretariat and report it to a joint council for nuclear emergency response. The joint council includes not only the local office of the national government's NERHQ and the senior specialists, but also representatives of the Nuclear Safety Commission and prefectural and municipal NERHQs.

The joint council devises instructions to residents for evacuation and/or sheltering. It also instructs the emergency services and coast guard, self-defence force, Japan Nuclear Energy Safety Organisation (JNES), the National Institute of Radiological Sciences, the Japan Atomic Energy Agency, and other bodies.

JNES has constructed a dedicated high-speed network system connecting the 20 off-site centres and other agencies called Emergency Preparedness Response Network (EPRNet). It includes video conferencing systems, e-mail, telephone, fax, and connections to a meteorological information service, a plant information collection, diagnosis, prognosis and analytical prediction tool (called ERSS), and an emergency environmental dose prediction tool (called SPEEDI).

---

**From:** Batkin, Joshua  
**Sent:** Friday, March 11, 2011 7:28 AM  
**To:** Monninger, John  
**Subject:** Re: Tsunami

Good thank you.

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
(301) 415-1820

----- Original Message -----

From: Monninger, John  
To: Batkin, Joshua; Jaczko, Gregory  
Cc: Loyd, Susan; Coggins, Angela  
Sent: Fri Mar 11 07:21:34 2011  
Subject: RE: Tsunami

(b)(5)

-----Original Message-----

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To: Jaczko, Gregory  
Cc: Monninger, John; Loyd, Susan; Coggins, Angela  
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Chairman - record earthquake in Japan with tsunamis overnight. Tsunami warning for HI and West coast this morning.

(b)(5)

Joshua C. Batkin  
Chief of Staff  
Chairman Gregory B. Jaczko  
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**From:** Loyd, Susan  
**Sent:** Friday, March 11, 2011 3:09 PM  
**To:** Batkin, Joshua; Coggins, Angela; Monninger, John; Fopma, Melody  
**Subject:** Remarks for Monday's SLS All Hands Mtg  
**Attachments:** SLS All Hands Meeting DRAFT (2) docx.docx

Hi:

(b)(5)

Thanks.  
Susan

Susan K. Loyd  
Communications Director  
Office of the Chairman  
U.S. Nuclear Regulatory Commission  
Tele: 301-415-1838  
[Susan.Loyd@nrc.gov](mailto:Susan.Loyd@nrc.gov)

**SLS All Hands Meeting**  
**Monday, March 14, 2011**

(b)(5)

(b)(5)